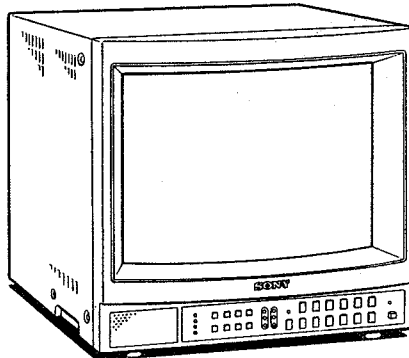


PVM-1341/1342Q/1343MD

SERVICE MANUAL

*US Model
Canadian Model*



PVM-1341

Chassis No. SCC-C27A-A

PVM-1342Q

Chassis No. SCC-C25A-A

PVM-1343MD

Chassis No. SCC-C28A-A

SPECIFICATIONS

Video signal

Frequency response

Line input: More than 7 MHz (−3 dB)
Y/C input: More than 8 MHz (−3 dB)
Component (Y/R-Y/B-Y): More than 8 MHz (−3 dB)
R.G.B. (analog): More than 9 MHz (−3 dB)

Chrominance subcarrier attenuation

3.58 MHz: Less than −30 dB (comb filter)
4.43 MHz: Less than −36 dB (trap filter)

Band pass

3.58 MHz: 2 MHz equiband
4.43 MHz: 2 MHz equiband

Chrominance/luminance

Time error
Composite: Less than ±100 nS
S.Video: Less than ±50 nS
Component: Less than ±50 nS

Aperture correction

−4.5 to +6.5 dB (at 4.5 MHz)

Synchronization

AFC time constant: 1 msec

Line pull range

Horizontal: ±500 Hz
Vertical: 8 Hz

Picture performance

Normal scan 7% overscan of CRT effective screen area
Under scan 3% underscan of CRT effective screen area
H. lineality Less than 4%
V. lineality Less than 5%
Convergence Central area: 0.6 mm
Peripheral area: 0.8 mm

Raster size stability

H: 1.0%, V: 1.5%

High voltage regulation

3%

Audio output

0.6 W (Max.)

CRT

PVM-1343MD/PVM-1342Q:
SMPTE-C (American-standard-phosphor)
PVM-1341: P-22

Chromaticity coordinates (SMPTE-C only)

	X	Y
Red	0.630	0.340
Green	0.310	0.595
Blue	0.155	0.070

(tolerance ±0.01)

Color temperature

6,500°K/9,300°K (+8MPCD), selectable

AC regulation range

110 - 130 V AC, 50/60 Hz

Power consumption

Approx. 99 W

Inputs

VIDEO IN: BNC connector

AUDIO IN: phono jack

VTR: 8-pin connector

Y/C-INPUT

VIDEO: 4-pin DIN connector

AUDIO: phono jack

EXT SYNC: BNC connector

composite sync 1-4 Vp-p, negative, 75 ohms terminated
automatically with no cable connected to the output
connector

ANALOG RGB: BNC connector

0.7 Vp-p, ±6 dB, non composite

75 ohms terminated automatically with no cable connected to
the output connector

DIGITAL RGB: 9-pin connector

CTRL S: Minijack

Outputs

VIDEO OUT: BNC connector

Loop-through

AUDIO OUT: Phono jack

Loop-through

EXT SYNC: BNC connector

Loop-through

ANALOG RGB: BNC connector

Loop-through

CTRL S: Minijack

Loop-through

General

Dimensions

Approx. 346 × 340 × 412 mm (w/h/d)
(13 5/8 × 13 1/2 × 16 1/4 inches)

Weight

Approx. 16.5 kg (36 lb 6 oz)

— Continued on next page —

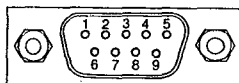
TRINITRON® COLOR VIDEO MONITOR
SONY®



PVM-1341/1342Q/1343MD

Pin assignment

DIGITAL RGB connector (9-pin)



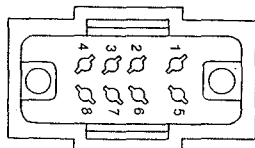
Pin No.	Signal	Signal level
1	GND (ground)	Ground
2	GND for the signal	Ground
3	Red input	Positive polarity (TTL level)
4	Green input	↑
5	Blue input	↑
6	Intensity	High state (open), Low state (ground), Positive polarity
7	NC (no connection)	—
8	H-SYNC (If V-SYNC is not input to the 9th pin, composite sync should be input to this pin.)	Positive or negative polarity (TTL level)
9	V-SYNC	Same polarity as H-SYNC (TTL level)

Note

If the intensity function of Pin No. 6 is not used, set the internal switch on the Qd board to the B position, and connect the Pin No. 6 to the GND. With this setting, when the positive intensity signal synchronized to the characters on the screen is fed, the luminance of the characters will be increased.

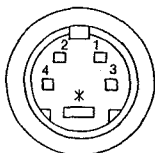
If the specific intensity function, such as that of an IBM microcomputer, is used, set the internal switch on the Qd board to the A position, and feed the intensity control signal to Pin No. 6.

VTR connector (8-pin)



Pin No.	Signal	Description
1	Audio input	-5 dBs, high input impedance (more than 47 kilohms)
2	Video input	Composite 1 Vp-p, sync negative, 75 ohms
3	GND	GND
4	NC	↔
5	GND	GND
6	GND	GND
7	GND	GND
8	GND	GND

Y/C (Y/C separate) INPUT connector (4-pin)



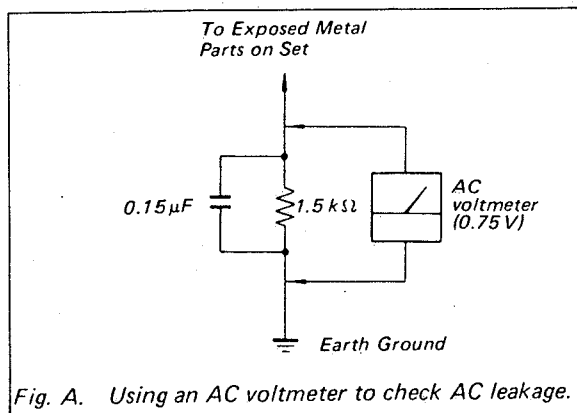
Pin No.	Signal	Description
1	Y-Input	1 Vp-p, sync negative, 75 ohms
2	CHROMA sub-carrier-input	300 mVp-p, burst Delay time between Y and C: within 0±100 nsec., 75 ohms
3	GND for Y-input	Ground
4	GND for CHROMA-input	Ground
*	Slot for internal switch	Press the switch inside this slot. The signal from Y/C-INPUT connector has priority over the one from VTR (8-pin) connector.

Design and specifications subject to change without notice.

SAFETY CHECK-OUT (US Model Only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any).
Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.



LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

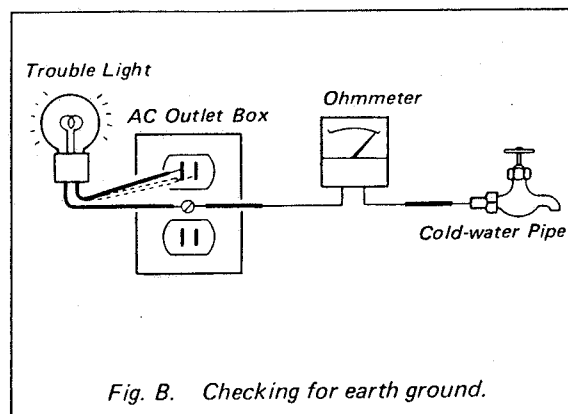



TABLE OF CONTENTS

Section	Title	Page
1.	GENERAL	
1-1.	Features	5
1-2.	Location and Function of Parts and Controls.....	6
2.	DISASSEMBLY	
2-1.	Rear Cover and Top Cover Removal.....	9
2-2.	Terminal Board Removal.....	9
2-3.	Bracket of Terminal Board Removal.....	10
2-4.	Control Unit Removal.....	10
2-5.	Picture Tube Removal.....	11
3.	SET-UP ADJUSTMENTS	
3-1.	Beam Landing	12
3-2.	Convergence	13
3-3.	Focus.....	14
3-4.	White Balance	15
4.	SAFETY RELATED ADJUSTMENTS.....	17
5.	CIRCUIT ADJUSTMENTS	
5-1.	A Board Adjustments.....	19
5-2.	XA Board Adjustment.....	22
5-3.	BA Board Adjustments (PVM-1342Q, 1343MD ONLY)	23
6.	DIAGRAMS	
6-1.	Frame Schematic Diagram	25
6-2.	Block Diagrams.....	28
6-3.	Printed Wiring Boards	36
6-4.	Circuit Boards Location.....	41
6-5.	Schematic Diagram	41
6-6.	Semiconductors.....	62
7.	EXPLODED VIEWS	
7-1.	Chassis.....	65
7-2.	Picture Tube	66
8.	ELECTRICAL PARTS LIST.....	67

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

PVM-1343MD ONLY

Notes on Leakage Current Measurement

This measurement should be done only by B.E.D. (Biomedical Engineering Department) technician in a hospital.


Leakage current of this model should be measured in accordance with UL 544, Item 27. Important points in leakage current measurement are given below. For further information, refer to UL 544 of UL standards.

- This model is for patient care equipment which corresponds to UL 544.
- For measurement, use the SA 1116 input circuit described in paragraph 27.5 of UL 544.
- The measurement procedure is described in paragraphs 27.5-27.13 of UL 544.
- When leakage current is measured, the waveform of the current must be sinusoidal and must not contain high frequency components (above 1 kHz). In order to check this, connect an oscilloscope to both ends of the input circuit connected to the equipment, and observe the waveform.
 - A) If high frequency components (above 1 kHz) of a clear level are found, refer to paragraph 27.5 of UL 544.
 - B) If high frequency components (above 1 kHz) of an unclear level are found, pull out the F-5 connector on the F printed wiring board.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE  SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLODÉES ET LES LISTES DE PIÉCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SECTION 1 GENERAL

1-1. FEATURES

This chart shows the various features which your model has (indicated as "Yes").

Features	PVM-1343MD	PVM-1342Q	PVM-1341
Automatic white balance circuit	Yes	Yes	Yes
SMPT-E phosphor	Yes	Yes	No
Black-tinted Trinitron tube	No	No	Yes
Super Fine Pitch Trinitron picture tube	Yes	Yes	No
Analog RGB input/output	Yes	Yes	Yes
Y/C input (4-pin DIN)	Yes	Yes	Yes
VTR input (8-pin)	Yes	Yes	Yes
Control S input/output	Yes	Yes	Yes
Automatic termination of BNC-type input connectors	Yes	Yes	Yes
Color systems available	PAL, SECAM, NTSC3.58	NTSC4.43	NTSC3.58 only
Colorpure filter	Yes	Yes	Yes
Blue only mode	Yes	Yes	Yes
Underscan mode	Yes	Yes	Yes
Horizontal/vertical delay mode	Yes	Yes	Yes
External sync input	Yes	Yes	Yes
Color temperature selector	Yes	Yes	Yes
Light-touch picture adjustment buttons	Yes	Yes	Yes
EIA standard 19-inch rack mounting	Yes	Yes	Yes
Digital RGB input (9-pin)	Yes	Yes	Yes

Automatic white balance circuit

The automatic white balance circuit compensates for the beam distortion, secular distortion of the cathode-ray tube, etc., and always reproduces the same white display on the screen. This allows an extended use of the monitor.

Super Fine Pitch Trinitron picture tube

(PVM-1342Q/PVM-1343MD/PVM-1341 only)
The Super Fine Pitch Trinitron picture tube (0.25 mm aperture grid) gives high resolution picture. Horizontal resolution is more than 600 TV lines at the center of the picture. When used as a character display, up to 2,000 characters (80 characters/line x 25 lines) can be displayed with great clarity.

Analog RGB connector

Analog RGB signal of a video equipment can be input through this connector.

Y/C input connector

The video signal split into the chrominance signal (C) and the luminance signal (Y) can be input through this connector, eliminating the interference between the two signals which tends to occur in a composite video signal and assuring the video quality.

VTR input connector

When connected to a VCR having the 8-pin TV connector, video and audio signals can be fed through this connector with a single cable.

Control S connector

When this connector is connected to the "control S" output of other equipment, the remote controls of the aperture, brightness, chroma, phase, contrast and volume settings are possible.

Automatic termination of BNC-type input connector

The BNC-type input connector is terminated at 75 ohms inside, when no cable is connected to the output connector. When the cable is connected to the output connector, the 75-ohms termination is automatically released, and the signal input to the corresponding IN connector is output from the output connector.

Four color systems available

(PVM-1343MD/PVM-1342Q only)
The monitor can display PAL, SECAM, NTSC3.58 and NTSC4.43* signals. The appropriate color system is selected automatically.

* A signal of NTSC4.43 is obtained by playing back NTSC-recorded video cassettes with a video tape recorder/player especially designed for use with this system.

Colorpure Filter

When NTSC video signals are received, a colorpure filter is activated to increase the resolution about 35%, resulting in fine picture detail without color spill or color noise.

Blue only mode

In the blue only mode, an apparent monochrome display is obtained with all three cathodes driven with a blue signal. This facilitates color saturation and phase adjustments and observation of VCR noise.

Underscan mode

The signal normally scanned outside of the screen can be monitored in the underscan mode.

Horizontal/vertical delay mode

The horizontal and vertical sync signals can be checked simultaneously in the H/V delay mode.

External sync input

When the EXT SYNC (or ANALOG/DIGITAL (EXT SYNC)) button is depressed, the monitor can be operated on the sync signal supplied from an external sync generator.

Color temperature selector

Color temperature of either 9,300°K or 6,500°K is selectable with the COLOR TEMP selector. For precise adjustment, use the BIAS and GAIN adjustment controls (except PVM-1340).

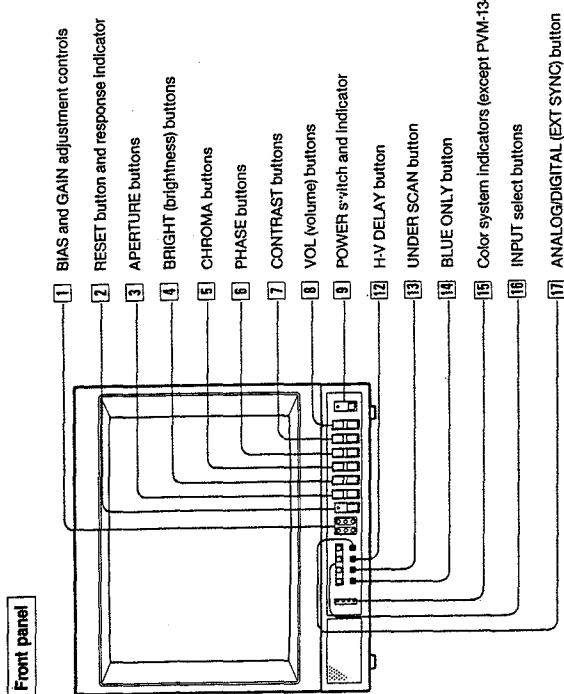
Light-touch picture adjustment buttons

The aperture, brightness, chroma, phase, contrast and volume buttons can be adjusted by touching the buttons lightly. The adjusted settings will be stored in memory even when the monitor is turned off.

EIA standard 19-inch rack mounting

By using an optional MB-502A mounting bracket, the monitor can be mounted in an EIA standard 19-inch rack. An optional SLR-102 slide rail is also available. For details on mounting, see the appropriate instruction manual.

1-2. LOCATION AND FUNCTION OF PARTS AND CONTROLS



1 BIAS and GAIN adjustment controls

Used for white balance adjustment.
Gain and BIAS controls are provided for the R (red), G (green) and B (blue) screens.

BIAS: Adjust the white balance and brightness of the screen at the lowlight with these controls.

GAIN: Adjust the white balance and contrast of the screen at the highlight with these controls.

2 RESET button and response indicator

Press to return the PHASE, CHROMA, BRIGHT and APERTURE control settings to the factory set levels.
The response indicator flashes when the above buttons or the RESET button is pressed.

3 APERTURE buttons

Press + for more sharpness or – for less.

4 BRIGHT (brightness) buttons

Press + for more brightness or – for less.

5 CHROMA buttons

Press + for more color intensity or – for less.

6 PHASE buttons

This button is effective only for the NTSC358 and NTSC443 color system.
Press GRN (green) to make the skin tones greenish or PUR (purple) to make them purplish.

Note

The APERTURE, CHROMA, PHASE control settings have no effect on the pictures of analog RGB or digital RGB signals.

7 CONTRAST buttons

Press + to make the contrast, color intensity and brightness stronger or – to make them weaker.

8 VOL (volume) buttons

Press + for more volume or – for less.

9 POWER switch and indicator

Depress to turn the monitor on.
The indicator will light up in green.
Press the switch again to turn the monitor off.

12 H-V DELAY button

Depress to observe the horizontal and vertical sync signals at the same time.
The horizontal sync signal is displayed in the left quarter of the screen; the vertical signal is displayed near the center of the screen.

13 UNDER SCAN button

Depress for underscanning. The display size is reduced by approximately 3% so that four corners of the raster are visible.

14 BLUE ONLY button

Depress to turn off the red and green signals. A blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" and "phase" control adjustments and observation of VCR noise.

* "Phase" control adjustment is effective only for the NTSC signals.

15 Color system indicators

The indicator of the color system being received lights up in red.

16 INPUT select buttons

Press to select the program to be monitored.
A: for a signal fed through the LINE A connectors.
B: for a signal fed through the LINE B connectors.
Y/CVTR: for a signal fed through the Y/C-INPUT connectors or VTR connector.

When both the Y/C-INPUT and VTR connectors are connected to video equipment, the input signal fed through the Y/C-INPUT connector has priority over the one fed through the VTR connector.

RGB: for a signal fed through the ANALOG RGB connectors or DIGITAL RGB connector.

17 ANALOG/DIGITAL (EXT SYNC) button

This button functions as ANALOG/DIGITAL selector and EXT SYNC selector.

As ANALOG/DIGITAL selector

Depress to monitor a signal fed through the ANALOG RGB connectors.
Release to monitor a signal fed through the DIGITAL RGB connector.

For EXT SYNC selector

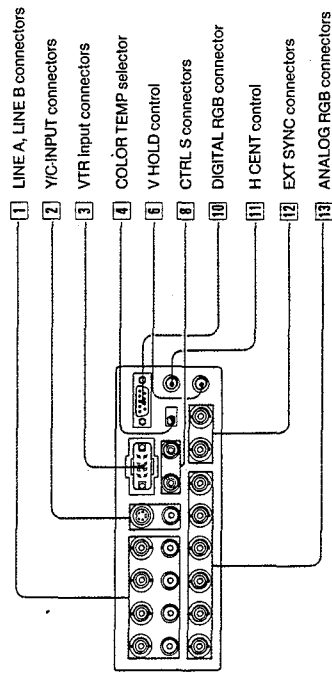
Depress to operate the monitor on an external sync signal fed through the EXT SYNC connector on the rear panel (EXT).
Release to operate the monitor on the sync signal from the displayed composite video signal (INT).

PICTURE ADJUSTMENT Buttons

The picture adjustment buttons of each monitor operate in the following input mode (indicator as "Yes")

Model	Input Mode	APERTURE	BRIGHT	CHROMA	PHASE	CONTRAST	VOL
PVM-1343MD/ PVM-1342Q/ PVM-1341	• LINE A, LINE B • Y/C • Analog RGB • Digital RGB • Analog RGB	Yes No	Yes Yes	Yes No	Yes No	Yes Yes	Yes No

Rear panel



1 LINE A, LINE B connectors

Two groups (A and B) of line input connectors for the composite video and audio signals and their loop-through output connectors.
To monitor the input signal fed through these connectors, press the A or B input select button on the front panel.

VIDEO IN (BNC type): Connect to the video output of a video equipment, such as a VCR or a color video camera. For a loop-through connection, connect to the video output of another monitor.

VIDEO OUT (BNC type): Loop-through output of the VIDEO IN connector. Connect to the video input for a VCR or another monitor.

When the cable is connected to this connector, the 75-ohms termination of the input is automatically released, and the signal input to the VIDEO IN connector is output from this connector.

AUDIO IN (phono jack): Connect to the audio output of a VCR or to a microphone via a suitable microphone amplifier. For a loop-through connection, connect to the audio output of another monitor.

AUDIO OUT (phono jack): Loop-through output of the AUDIO IN jack. Connect to the audio input of a VCR or another monitor.

2 Y/C-INPUT connectors (4-pin DIN)

VIDEO: Connect to the Y/C separate output of a video camera or a VCR.

AUDIO: Connect to the audio output of a video camera or a VCR.

To monitor the input signal fed through these connectors, press the Y/CVTR button on the front panel.

3 VTR input connectors (8-pin)

Line input for the video and audio signals. When connected to the 8-pin TV connector of a VCR, the video and audio playback signal from the VCR can be connected with a single cable.

To monitor the input signal fed through this connector, press the Y/CVTR button on the front panel, with the Y/C-INPUT connectors connected to no outputs.

When both VTR and Y/C-INPUT connectors are connected to video equipment, the input signal fed through the Y/C-INPUT connectors has priority over the one fed through the VTR connectors.

4 COLOR TEMP (temperature) selector

Select the color temperature position, 9300°K or 6500°K.

5 V HOLD (vertical hold) control

Turn to stabilize the picture if it rolls vertically.

8 CTRL S (control S) connectors (mini-jack)

For remote control of the APERTURE, BRIGHT, CHROMA, PHASE, CONTRAST and VOL control buttons.
IN: Connect to the "control S" output of other equipment.
OUT: Connect to the CTRL S IN connector of another monitor by using a connecting cord (mini-plug—mini-plug).

10 DIGITAL RGB connector (9-pin)

Connect with a microcomputer having a digital (TTL level) RGB video output.

To monitor the input signal fed through this connector, press the RGB button and keep the ANALOG/DIGITAL (EXT SYNC) button released.

Note

For connection, be sure to use an optional SMF-520 connecting cable.

11 H CENT (horizontal centering) control

When a digital RGB signal is monitored, turn to center the picture if it is decentered.

12 EXT SYNC (external sync) connectors (BNC type)

IN: Connect to the output of a sync generator.

To monitor the sync signal fed through this connector, depress the ANALOG/DIGITAL (EXT SYNC) button.

OUT: Loop-through output of the SYNC IN connector. Connect to the SYNC input of a video camera. When the cable is connected to this connector, the 75-ohms termination of the input is released, and the signal input to the IN connector is output from this connector.

13 ANALOG RGB connectors (BNC type)

R/G/B IN: Connect to the analog R/G/B outputs of a video camera.

To monitor a signal fed through these connectors, press the RGB button and depress the ANALOG/DIGITAL (EXT SYNC) button.

R/G/B OUT: Loop-through outputs of the R/G/B IN connectors. Connect to the analog R/G/B inputs of a video camera.

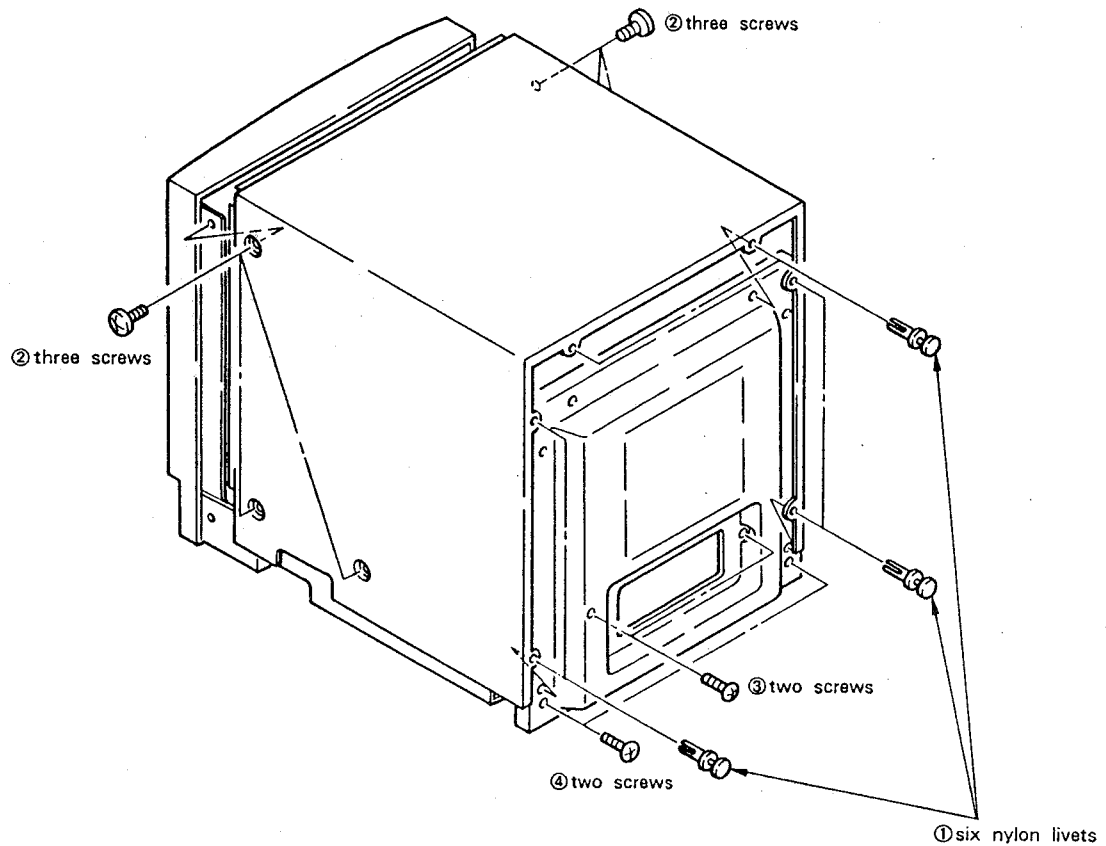
When the cable is connected to these connectors, the 75-ohms termination of the input is released, and the signal input to the R/G/B OUT connector is output from these connectors.

MEMO

Handwriting practice area with horizontal lines.

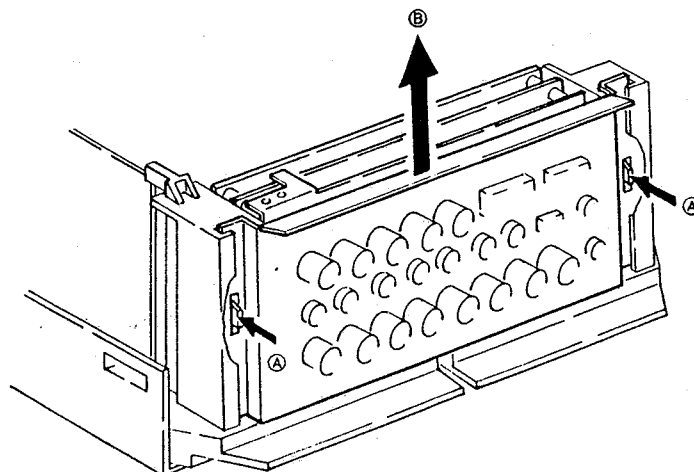
SECTION 2 DISASSEMBLY

2-1. REAR COVER AND TOP COVER REMOVAL



2-2. TERMINAL BOARD REMOVAL

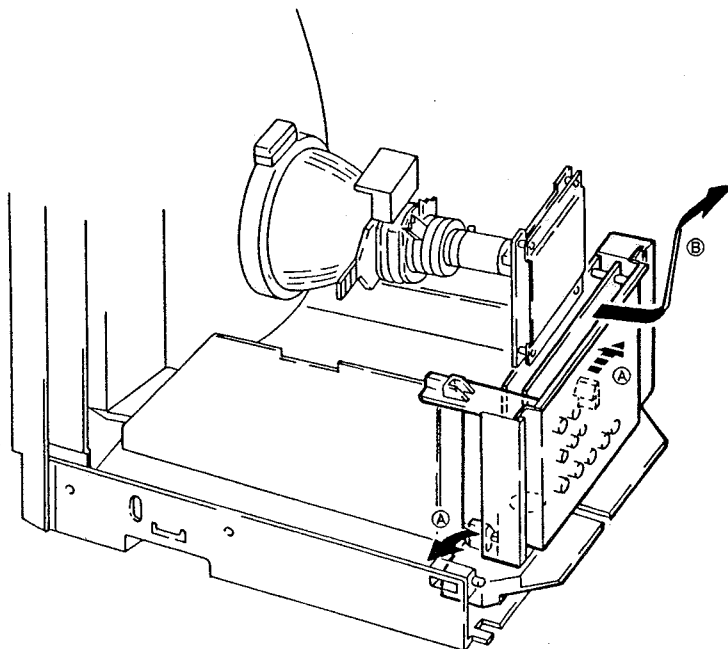
Note : When you remove terminal board, pull out A board a short distance.



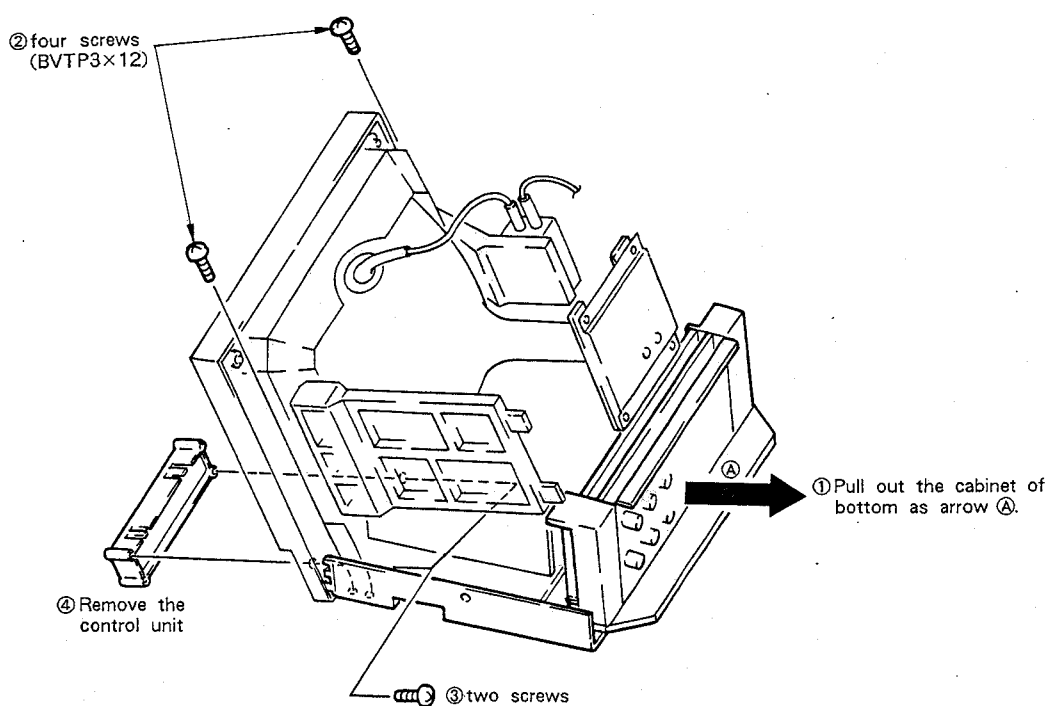
① Remove the terminal board as arrow ① while push the two claws as arrow ②.

2-3. BRACKET OF TERMINAL BOARD REMOVAL

- ① Remove the bracket of terminal board as arrow ⑧ while extend two claws as arrow ⑦.



2-4. CONTROL UNIT REMOVAL



2-5. PICTURE TUBE REMOVAL

NOTE : Caution for ANODE CAP installation.

When you replace PICTURE TUBE or FBT, remove RTV on ANODE CAP so that PICTURE TUBE and FBT can be separated. Please adhere picture tube and anode cap in accordance with the following procedure.

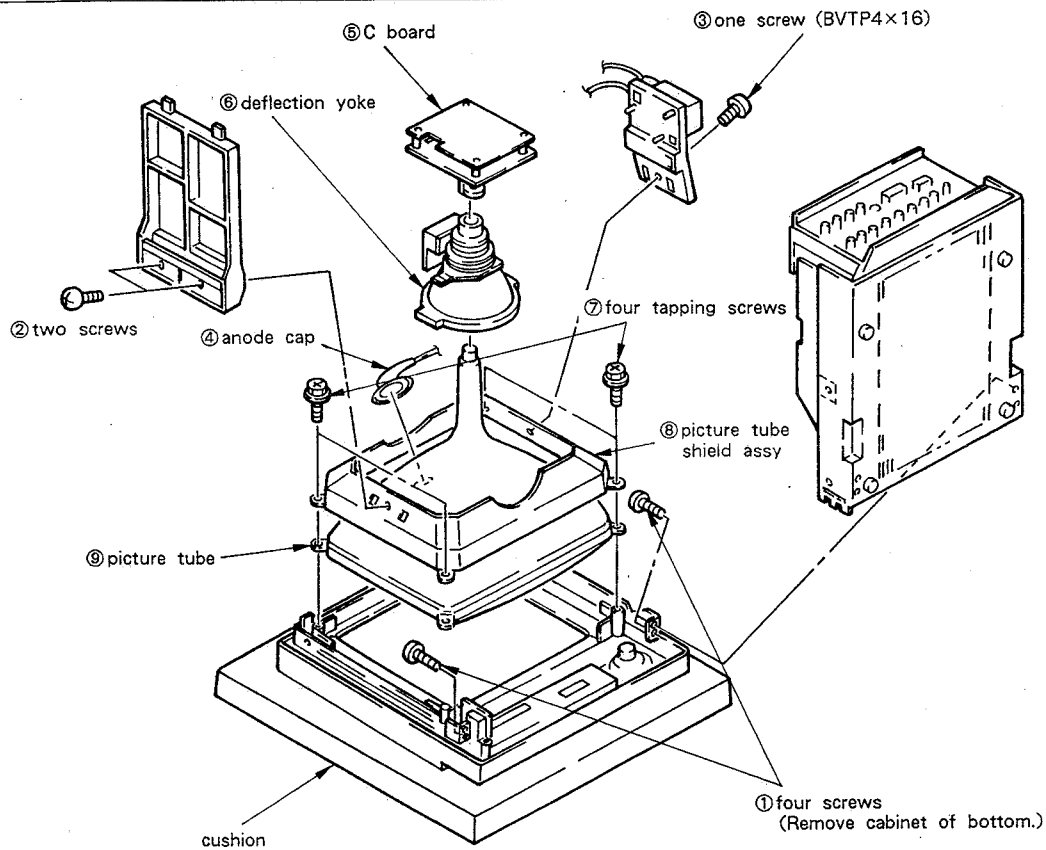
ADHERING PROCEDURE OF ANODE CAP.

1. Clean PICTURE TUBE ANODE CAP with ethnaol to remove original RTV.
2. Dry clean face with air.

3. Use KE-490RTV (RTV silicone adhesive, SHIN-ETSU CHEMICAL).

Part. No.	Description
7-322-065-19	Silicone (RTV) KE-490W

4. Install ANODE CAP.
5. Adequately apply RTV to the entire picture tube anode area, place the anode cap onto the picture tube and push it down security so that no air pockets remain beneath the cap.
6. Dry more than 12 hours at room temperature.



ANODE CAP REMOVAL

• Removing Procedures

- ① Turn up one side of the rubber cap in the direction indicated by the arrow (a).
 - ② Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow (b).
 - ③ When one side of the rubber cap is separated from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow (c).
- Anode button

SECTION 3

SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted :

CONTRAST control 80%

BRIGHTNESS control 50%

Perform the adjustments in order as follows :

3-1. Beam Landing

3-2. Convergence

3-3. Focus

3-4. White Balance

Note : Test Equipment Required.

1. Color Bar/Pattern Generator
2. Degausser
3. Color Annalyzer (Minolta)
4. Luminance Level Meter
5. Oscilloscope

Precaution

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

3-1. BEAM LANDING

1. Receive an entirely white signal with the pattern generator.
CONTRAST MAX.
BRIGHTNESS set easy to observe
2. Adjust the focus and the horizontal convergence roughly.
3. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Fig. 3-1.
4. Switch over the pattern generator to green.
5. Move the deflection yoke backward, and adjust with the purity control so that green is in the center and blue and red are at the sides, evenly. (Fig. 3-2)
6. Move the deflection yoke forward, and adjust so that the entire screen becomes green. Repeat 5 to 7 as to red and blue.
7. When landing at the corners is not right, correct by using the magnet. (Fig. 3-3)
8. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.

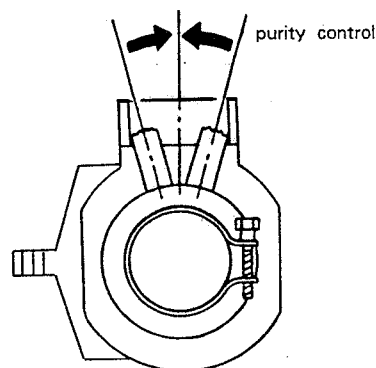
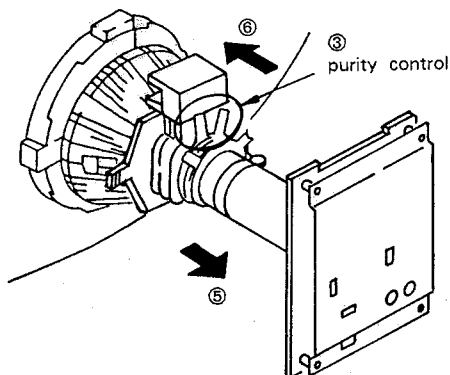


Fig. 3-1

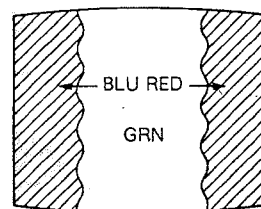


Fig. 3-2

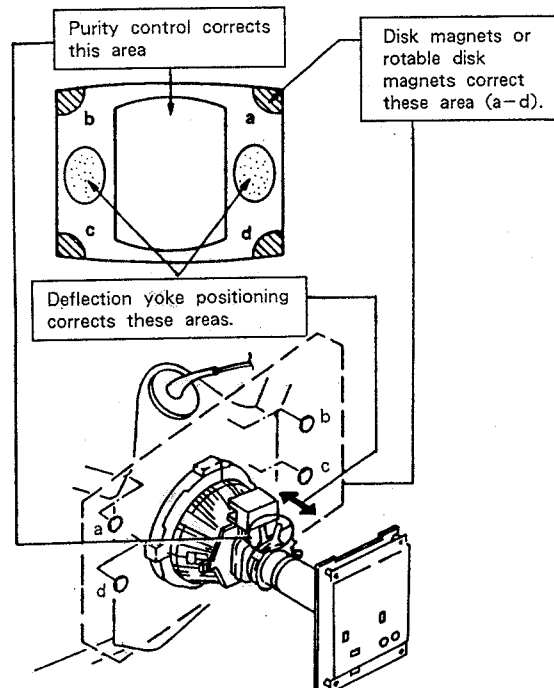
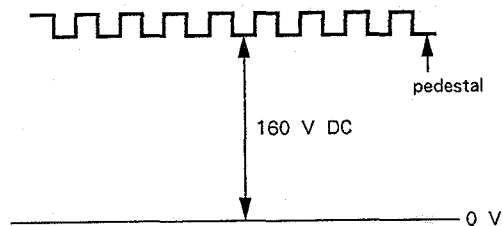


Fig. 3-3

3-4. WHITE BALANCE

[Screen (G2) Voltage]

1. Receive a dot signal with the pattern generator.
2. Switch over COLOR TEMP to 6500° K.
3. Using oscilloscope, adjust with RV1710 (SUB BRT) on V board so that the green cathode voltage against ground becomes 160 V DC.
4. Similarly, adjust with RV1704 (B BKG) and RV1705 (R BKG) on V board so that the blue and red cathode voltages become 160 V DC.

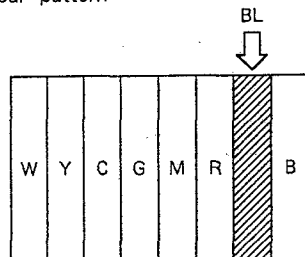


5. Observing the screen, adjust with RV709 (SCREEN) on C board so that the back-ground of the dot signal is bright dimly.

[White Balance]

1. Receive a color-bar pattern signal with the pattern generator, and to make black and white screen by chroma switch off.
2.
 - BRIGHTNESS 50%
 - CONTRAST Minimum
 - CHROMA 50%
 - DRIVE volume
(V BOARD) mechanical center
 - BKG volume
(V BOARD) mechanical center
3. Adjust RV1710 (SUB BRIGHT) so that the blue stripe portion on the color-bar pattern signal is bright dimly.

color-bar pattern



4. Receive an entirely white signal from the pattern generator.
5. CONTRAST 70%
6. Using the luminance level meter, adjust the luminance level of the pattern generator becomes 8 Nit. (The condition the screen is bright dimly.)

7. Adjust with the color analyzer the white balance.
8. Reset the luminance level of the pattern generator, and adjust the white balance. (High light condition.)

MEMO

Handwriting practice area with horizontal dotted lines.

SECTION 4

SAFETY RELATED ADJUSTMENTS

B+ MAX CONFIRMATION (R690)

The following adjustments should always be performed when replacing the following components (marked with ☒ on the schematic diagram).

☒ on F board : IC601, IC602, IC651, D654, D655, C658, C659, R634, R652, R653, R654, R655, R656, R657, R665, R671, R690, RV601

1. Supply 130 ± 5 V AC to with variable auto-transformer.
2. Receive a dot signal.
3. • CONTRAST Minimum
• BRIGHTNESS Minimum
4. Connect a digital multimeter to TP91.
5. Confirm the voltage of TP91 is less than 118.2 V DC when rotate RV601 on F board fully clockwise.
6. If step 5 is not satisfied, readjustment should be performed by altering the resistance value of R690 (☒.
7. Receive a dot signal.
8. Disconnect A-22 connector (ABL JIG) on A board and connect an ammeter.
9. Adjust BRIGHTNESS and CONTRAST so that the current to 70 ± 30 μ A.
10. Adjust RV601 on F board so that voltage of TP91 is 115.5 ± 0.3 V DC.
11. Supply 90 ± 5.0 V AC to with variable auto-transformer.
12. Receive entire white signal.
13. • CONTRAST Maximum
• BRIGHTNESS Maximum
14. Confirm the voltage of TP91 is more than 113.0 V DC.

CONFIRMATION WHEN REPLACING H.V.R. (High Voltage Resistor)

The following adjustment should be confirm the output voltage when replacing HVR.

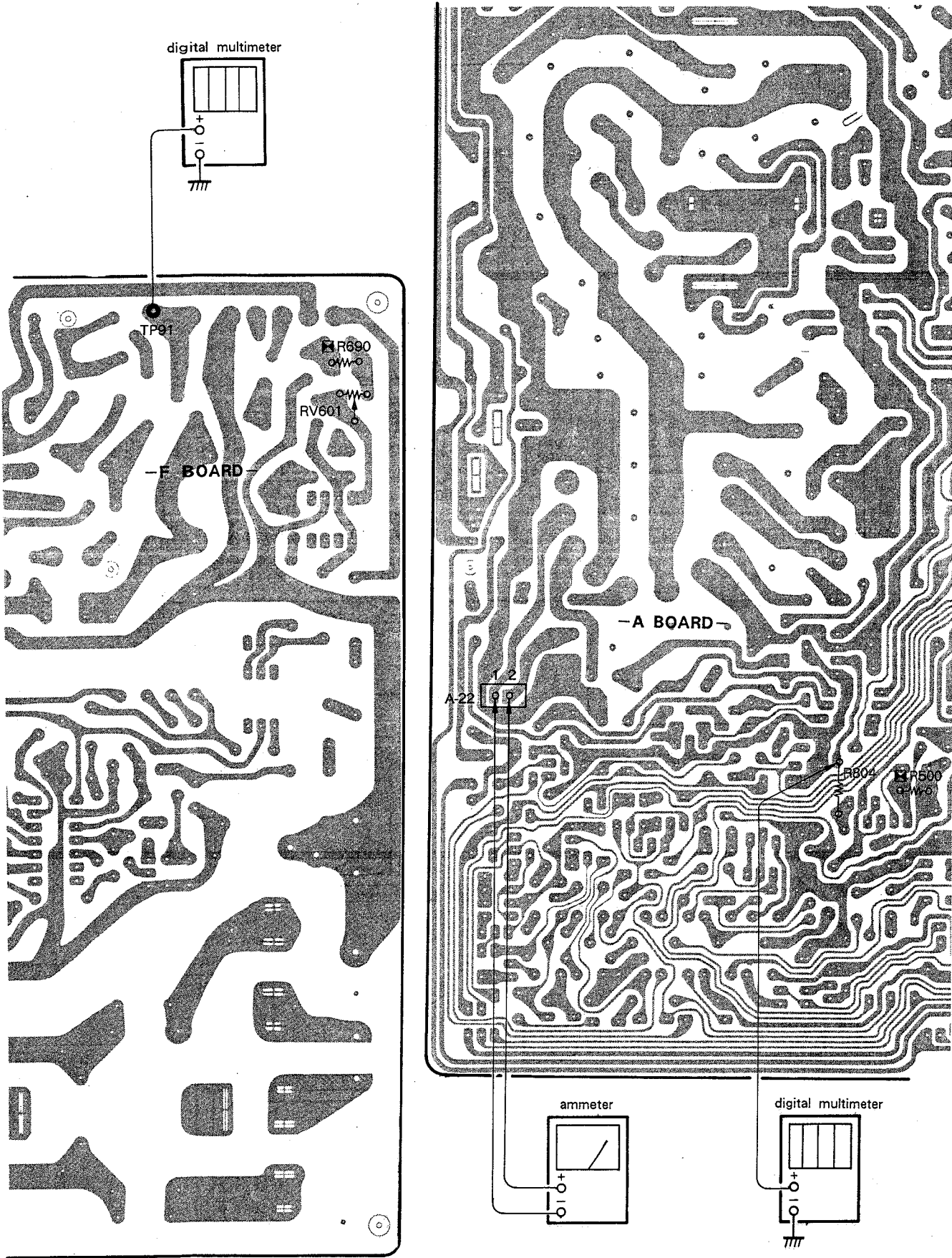
1. Receive an entire white signal.
2. • CONTRAST Maximum
• BRIGHTNESS Maximum
3. Connect a digital multimeter to the A-20 connector side lead of R804.
4. Confirm the voltage is 14.1 ± 1.0 V DC.

R500, CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS

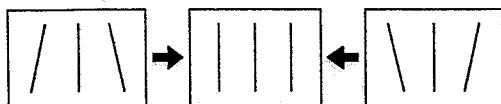
The following adjustments should always be performed when replacing the following components (marked with ☒ on the schematic diagram).

☒ on A board : IC501, Q503, Q504, Q505, Q506, D509, D510, C505, C520, C524, C525, C526, C527, C528, C529, C530, C531, R500, R506, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R528, R804, NL501, HVR

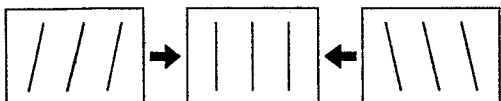
1. Receive an entire white signal.
2. • CONTRAST Maximum
• BRIGHTNESS Maximum
3. Connect a digital multimeter to the A-20 connector side lead of R804.
4. Confirm the voltage is 14.1 ± 1.0 V DC.
5. Receive a dot signal.
6. Disconnect A-22 connector (ABL JIG) on A board and connect an ammeter.
7. Adjust BRIGHTNESS and CONTRAST so that the current to 70 ± 30 μ A.
8. Apply an external DC voltage gradually to the A-20 connector side lead of R804, and when the voltage becomes 16.4 ± 0.1 V DC, confirm the HOLD-DOWN circuit operates immediately and raster disappears.
9. With the same procedure of item 8, when the voltage becomes 15.8 ± 0.1 V DC, confirm the HOLD-DOWN circuit doesn't operate.
10. Receive an entire white signal.
11. Adjust with BRIGHTNESS and CONTRAST volumes so that the current to 600 ± 40 μ A.
12. Apply DC voltage to the A-20 connector side lead of R804, and when the voltage becomes 15.8 ± 0.1 V DC, confirm the HOLD-DOWN circuit operates immediately and raster disappears.
13. With the same procedure of item 8, when the voltage becomes 15.2 ± 0.1 V DC, confirm the HOLD-DOWN circuit doesn't operate.
14. When step 4 to 13 is not satisfied, readjustment should be performed by altering the resistance value of R500 (☒.



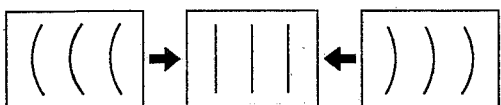
• PIN PHASE (RV504)



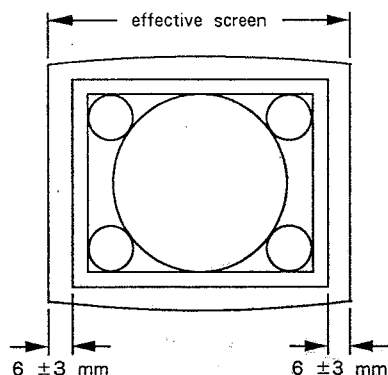
• V. ANG (RV550)



• BOW (RV509)

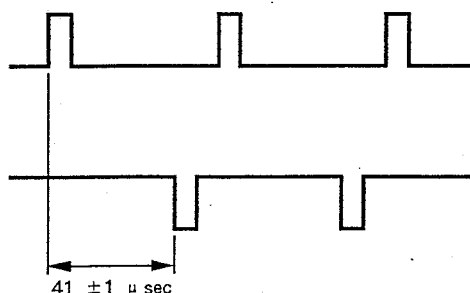


6. Adjust RV503 (H. SIZE) so that the horizontal size becomes 15.75 ± 0.2 frames.
7. Set U/S (Under Scan) switch to Under mode.
8. Adjust RV510 (U.H. SIZE) the Under H. SIZE as follows.



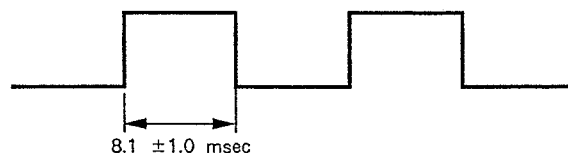
H-V DELAY ADJUSTMENT (VR1, VR2)

1. Receive a monoscope signal.
2. • CONTRAST 70%
• BRIGHTNESS 50%
3. Set H-V DELAY switch to DELAY mode.
4. H. DELAY Adjustment (VR1)
 - (1) Connect an oscilloscope to pin ② (SYNC SEP) and pin ⑨ (H. SYNC) of IC503.
 - (2) Adjust VR1 of IC503 to become $41 \pm 1 \mu\text{sec}$ as follows.



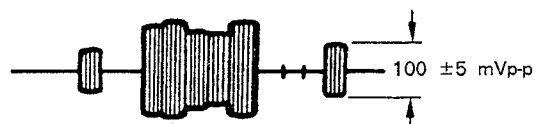
5. V. DELAY Adjustment (VR2)

- (1) Connect an oscilloscope to pin ⑥ of IC503.
- (2) Adjust VR2 of IC503 to become $8.1 \pm 1.0 \text{ msec}$ as follows.



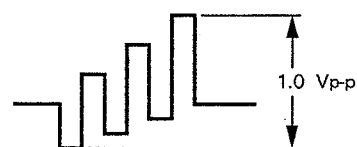
ACC ADJUSTMENT (RV002)

1. Receive a color-bar signal (EIA color-bar).
2. Connect an oscilloscope to the IC302 side lead of C313.
3. Adjust RV002 so that the burst signal level becomes $100 \pm 5 \text{ mVp-p}$.



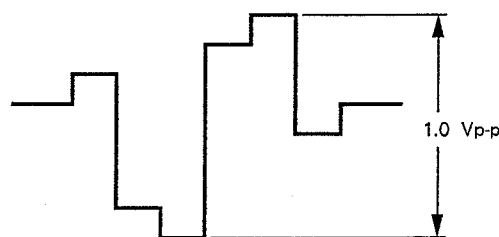
B-Y DEM LEVEL ADJUSTMENT (RV003)

1. Receive a color-bar signal (100% chroma color-bar).
2. Connect an oscilloscope to TP42 (B-Y).
3. Adjust RV003 so that the B-Y waveform becomes 1.0 Vp-p .



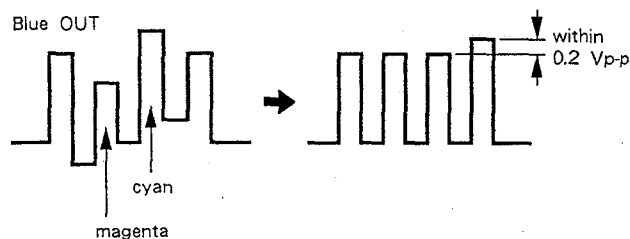
R-Y DEM LEVEL ADJUSTMENT (RV004)

1. Receive a color-bar signal (100% chroma color-bar).
2. Connect an oscilloscope to TP41 (R-Y).
3. Adjust RV004 so that the R-Y waveform becomes 1.0 Vp-p .

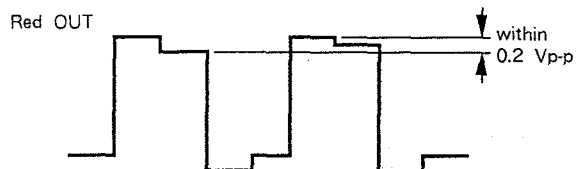


MATRIX ADJUSTMENT (RV006, RV007)

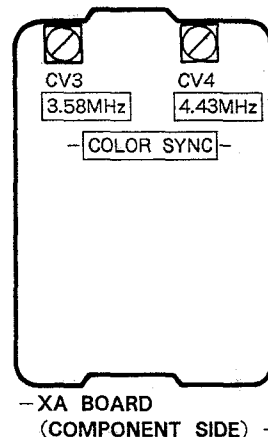
1. Receive a color-bar signal.
 (white peak : 75%
 black level : 0%
 chroma max. : 75%
 chroma min. : 0%)
2. CONTRAST 70%
3. Connect an oscilloscope to pin ⑤ (B OUT) of A-15.
4. Adjust RV006 (B-Y) so that the BLUE OUT waveform becomes flat as following figure.



5. When there is difference between cyan portion and magenta portion, adjust with RV006 while tracking with PHASE volume for user control.
6. Connect an oscilloscope to pin ③ (R-Y) of A-15.
7. Adjust RV007 (R-Y) so that the RED OUT waveform becomes flat as following figure.

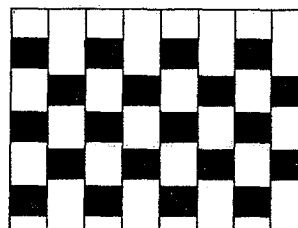


5-2. XA BOARD ADJUSTMENT



COLOR SYNCHRONIZATION (CW) ADJUSTMENT (CV3, CV4)

1. Short-circuit pins ⑨ and ⑩ of IC301 on A board.
2. Connect pin ③ of IC311 on A board to +12 V line via 4.7 kΩ resistor.
3. Short-circuit base and emitter of Q416 on A board.
4. 3.58 MHz Adjustment (CV3)
 (1) Receive a color-bar signal (EIA color-bar).
 (2) Adjust CV3 the color synchronization.



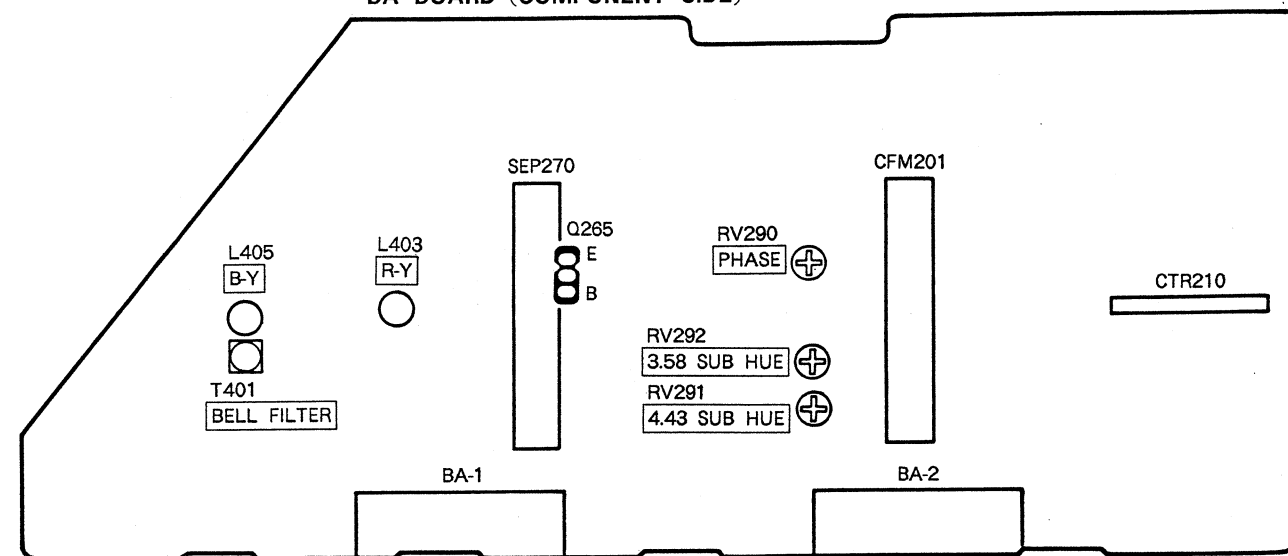
Adjust so that color stripes disappear and the hue change is stabilized extremery.

5. 4.43 MHz Adjustment (CV4)
 (1) Receive a color-bar signal (EBU color-bar).
 (2) Adjust CV4 the color synchronization.
6. Remove the short-circuit positions pins ⑨ and ⑩ of IC301 and base and emitter of Q416.

CAUTION : This adjustment (XA board adjustment) should be made earlier than all adjustments of color.

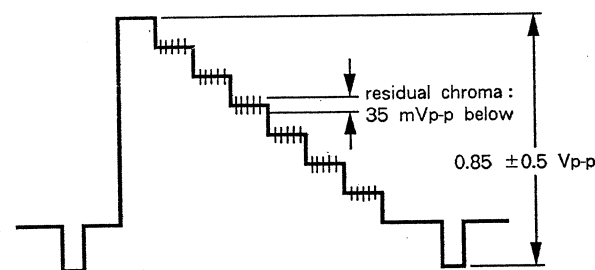
5-3. BA BOARD ADJUSTMENTS (PVM-1342Q, PVM-1343MD ONLY)

—BA BOARD (COMPONENT SIDE)—

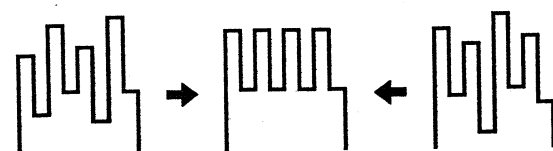


NTSC 3.58 MHz ADJUSTMENT (RV292)

1. Receive NTSC 3.58 color-bar signal.
2. Connect an oscilloscope to pin ⑮ (COMPOSITE IN) of BA-2 connector.
3. Confirm the Y-OUT is 0.87 ± 0.5 Vp-p.
4. Confirm the residual chroma is 35 mVp-p below. When it is above 35 mVp-p, adjust with RV1 and T1 inside CFM201 while tracking.



5. Connect an oscilloscope to pin ⑤ (B-OUT) of A-15 connector.
6. Adjust RV292 (3.58 SUB HUE) so that the BLUE OUT waveform level becomes flat as following figure.

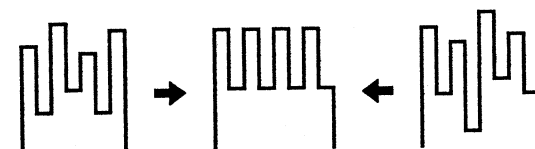


Note: CONTRAST.....normal condition
HUE.....Normal condition

NTSC 4.43 MHz ADJUSTMENT (RV291)

1. Receive NTSC 4.43 color-bar signal.

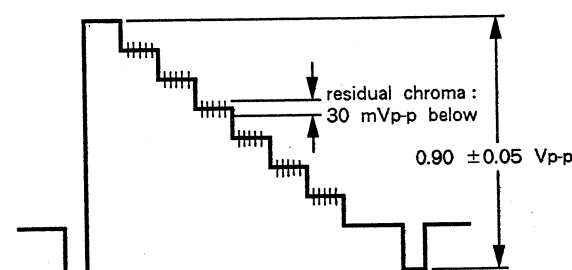
2. Confirm the voltage on pin ④ of CTR210 is above 5.0 V DC, and on pin ⑤ of CTR210 is below 0.1 V DC.
3. Connect an oscilloscope to pin ⑤ of A-15 connector.
4. Adjust RV291 (4.43 SUB HUE) so that the BLUE OUT waveform level becomes flat as following figure.



Note: CONTRAST.....Normal condition
HUE.....Normal condition

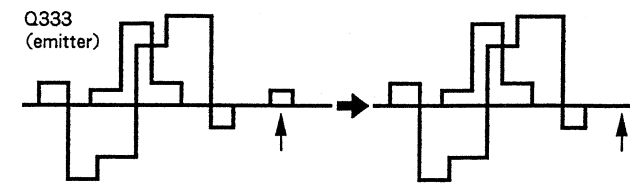
PAL ADJUSTMENTS (RV290)

1. Receive NTSC 4.43 color-bar signal.
2. Confirm the voltage on pin ④ of CTR210 is above 5.0 V DC, and on pin ⑤ of CTR210 is below 1.0 V DC.
3. Connect an oscilloscope to pin ⑪ of BA-2 connector.
4. Confirm the Y-OUT is 0.90 ± 0.05 Vp-p and the residual chroma is below 30 mVp-p.

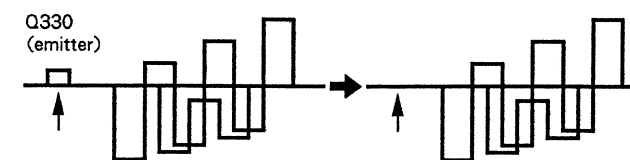


5. ANTI-PAL Adjustment (RV290)

- (1) Receive the special PAL color-bar.
- (2) Connect an oscilloscope to emitter of Q333 on A board, and adjust RV290 (PHASE) so that R-Y anti-PAL portion becomes flat as following figure.

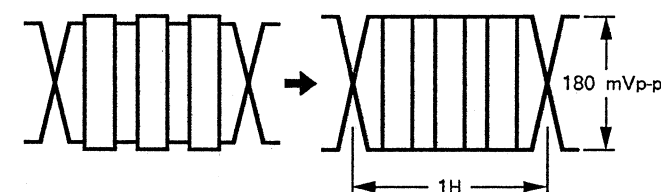


- (3) Connect an oscilloscope to emitter of Q330 on A board, and adjust RV2 inside SEP270 so that B-Y anti-PAL portion becomes flat as following figure.



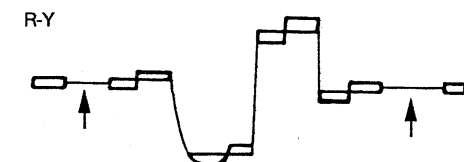
SECAM ADJUSTMENTS (T401, L403, L405)

1. Receive SECAM color-bar.
2. Bell Filter Adjustment (T401)
 - (1) Connect an oscilloscope to emitter of Q265.
 - (2) Adjust T401 (Bell Filter) so that the chroma waveform becomes smooth.



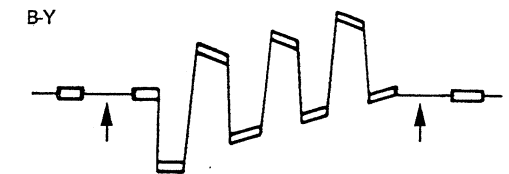
3. Color Balance Adjustment (L403)

- (1) Connect an oscilloscope to pin ⑦ (R-Y) of BA-1 connector.
- (2) Adjust L403 (R-Y) so that the non-colored portion level becomes flat.



- (3) Connect an oscilloscope to pin ⑧ (B-Y) of BA-1 connector.

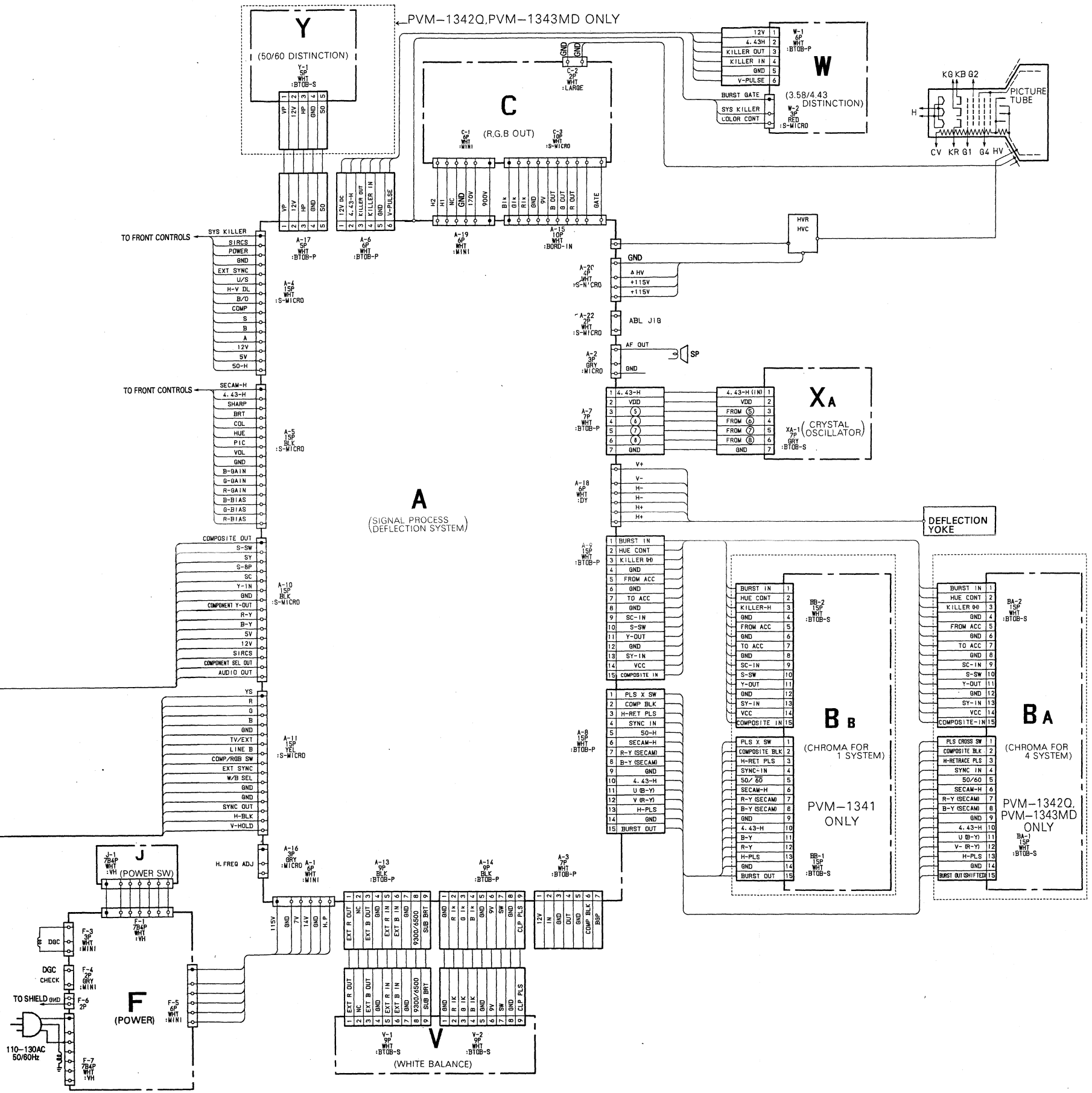
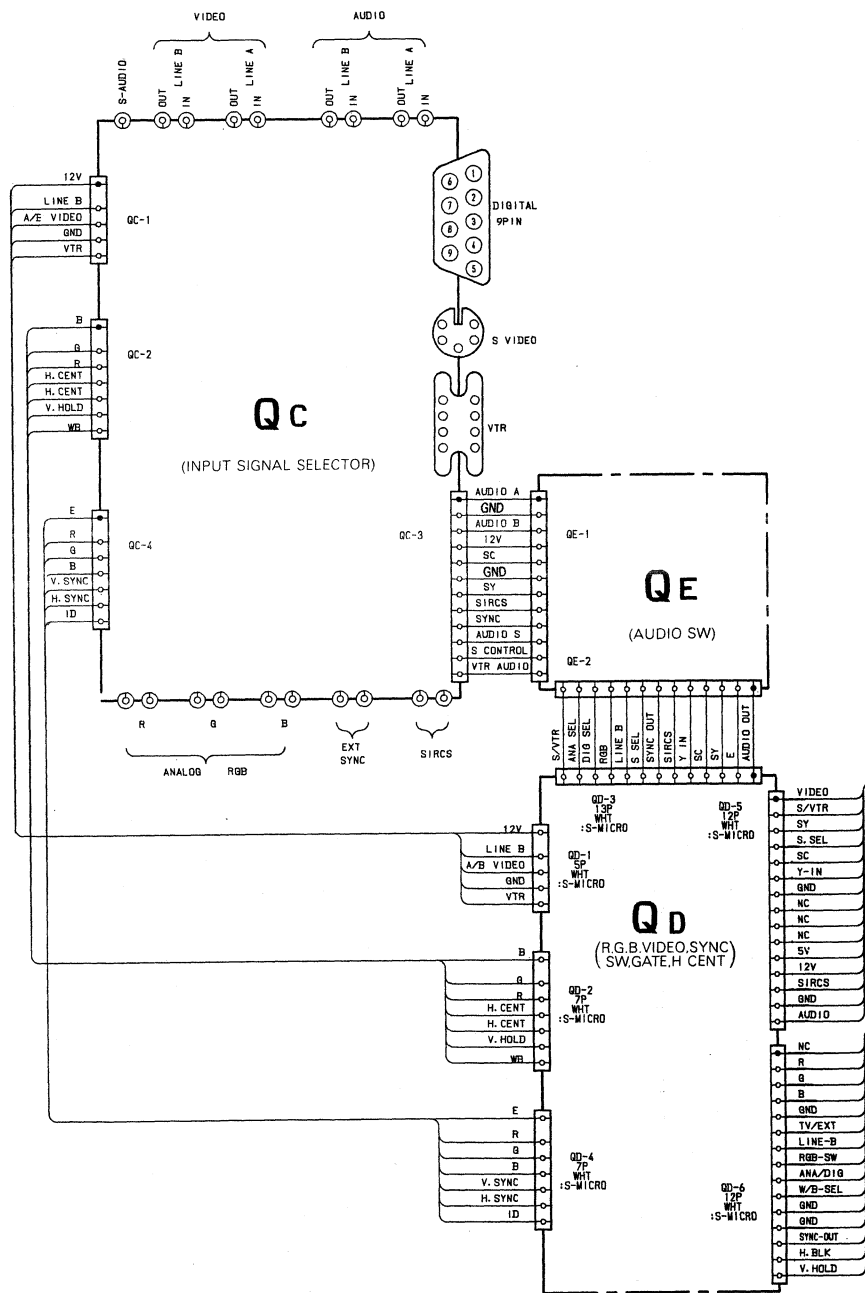
- (4) Adjust L405 (B-Y) so that the non-colored portion level becomes flat.



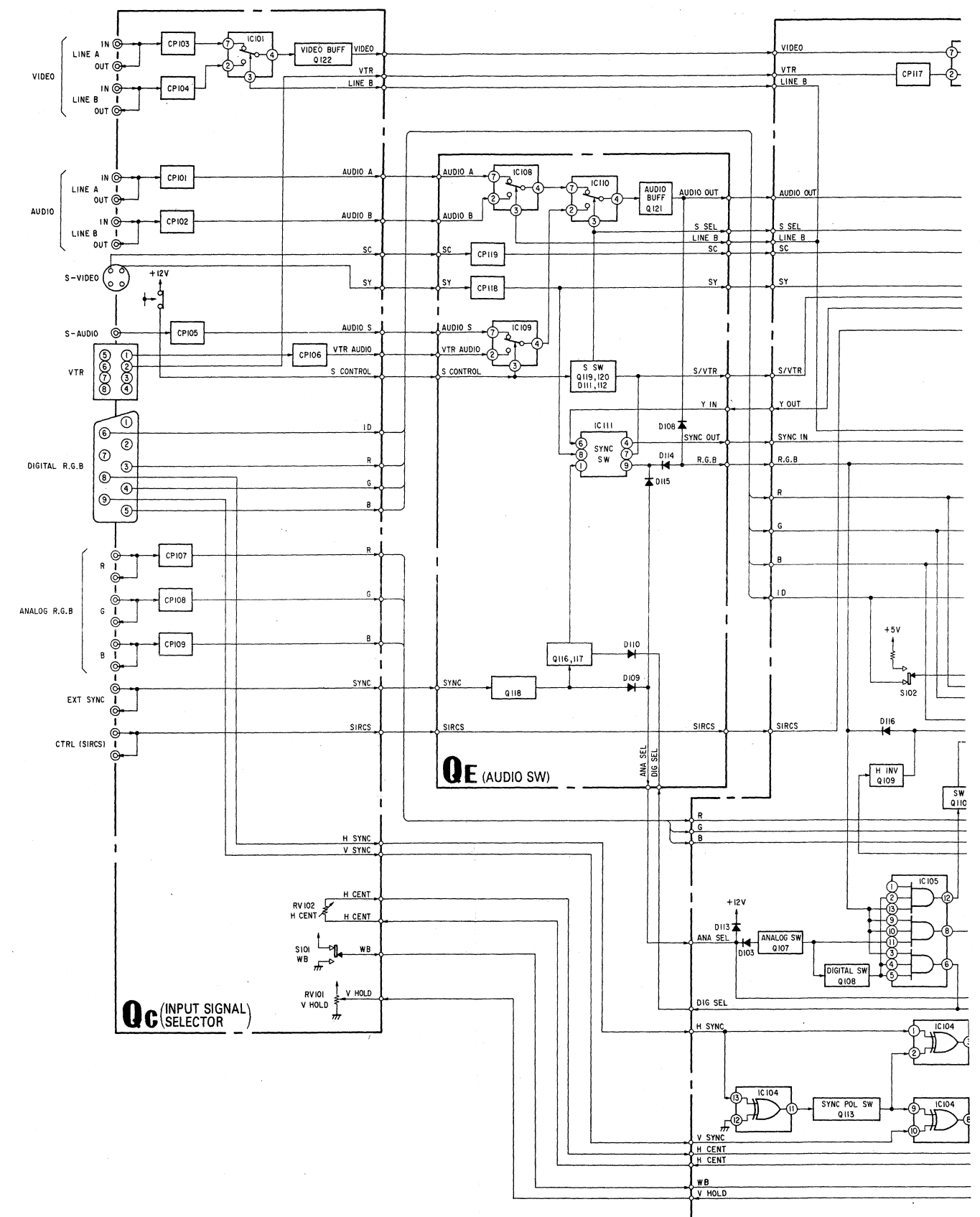
SECTION 6

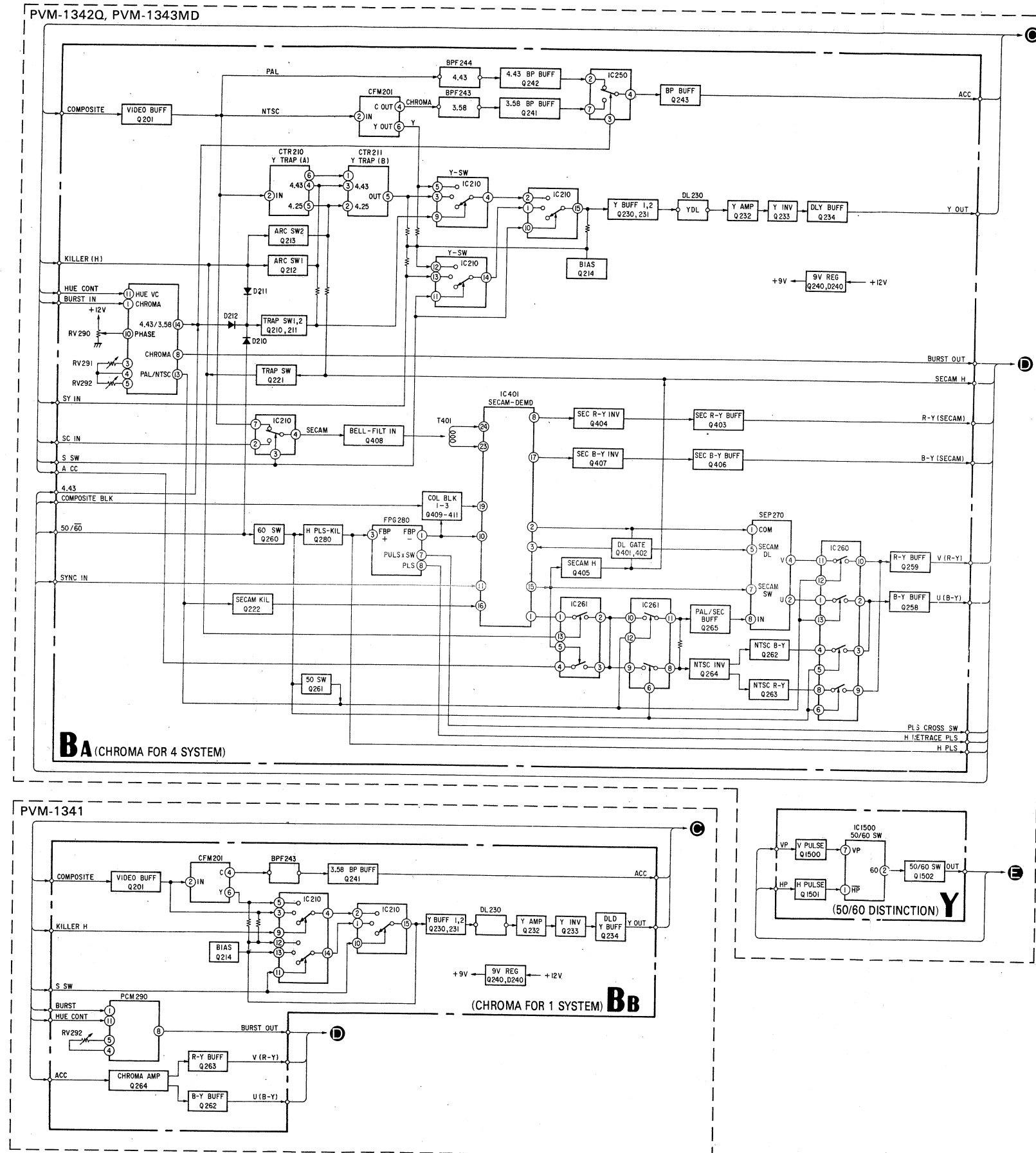
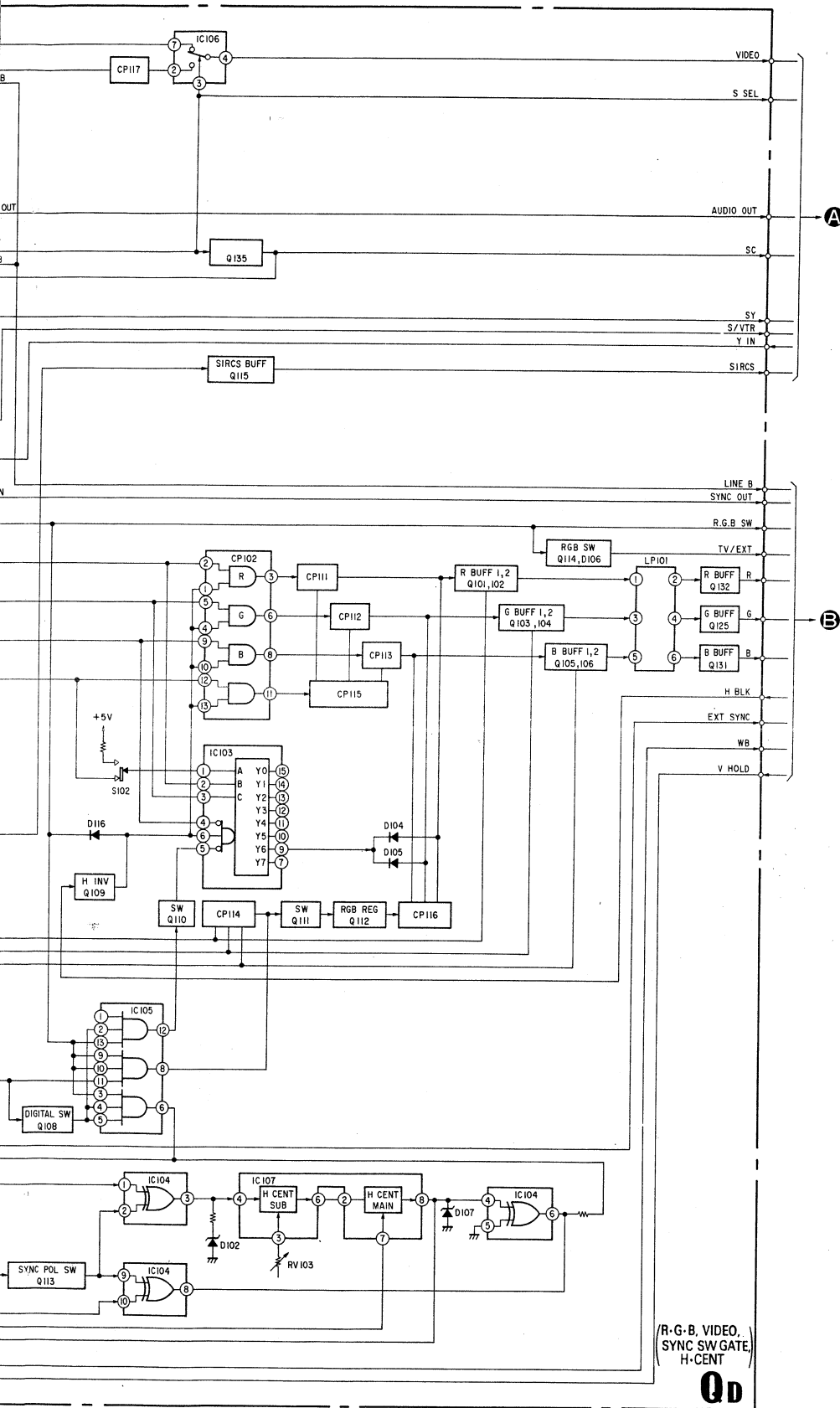
DIAGRAMS

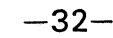
6-1. FRAME SCHEMATIC DIAGRAM

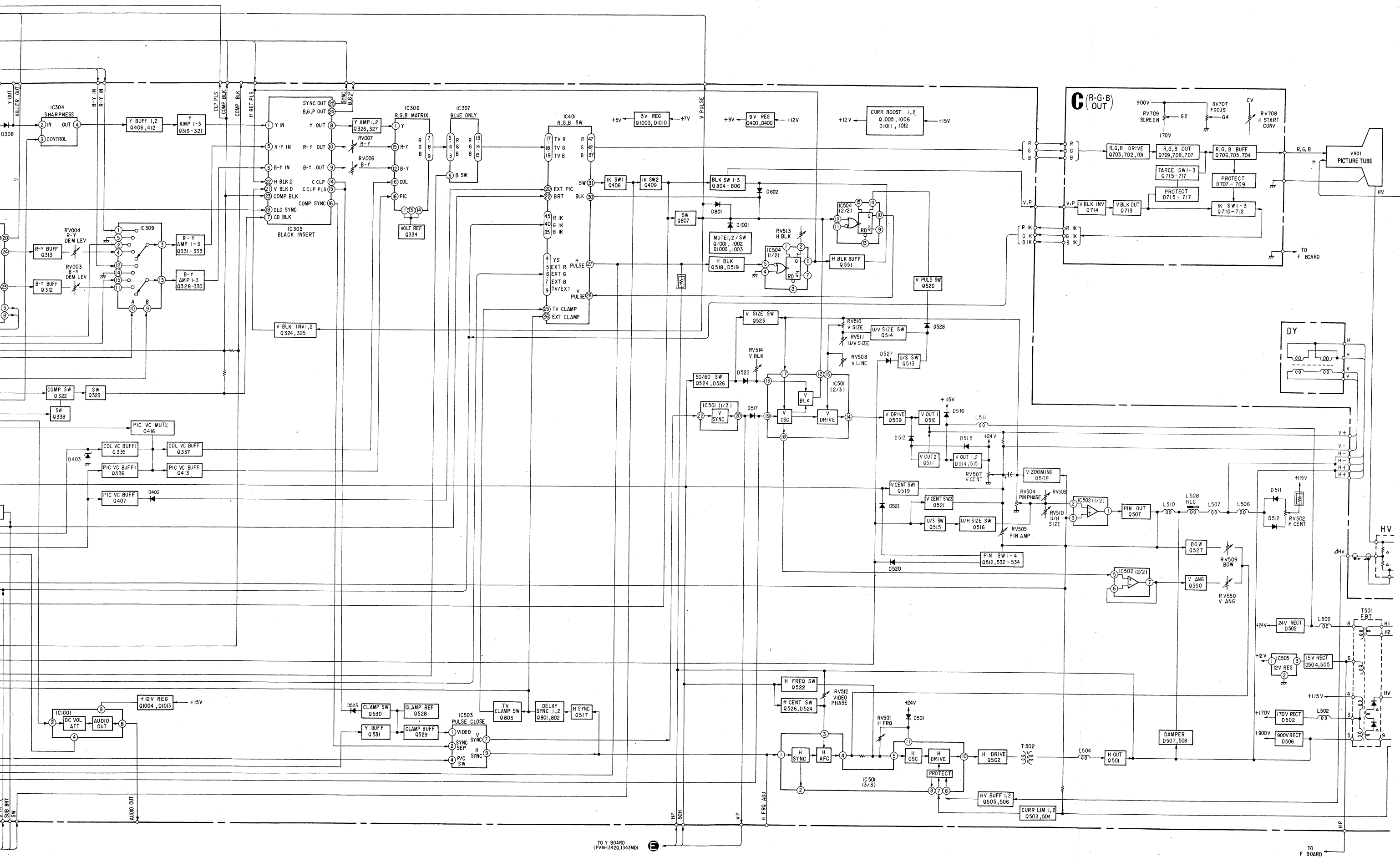


6-2. BLOCK DIAGRAMS





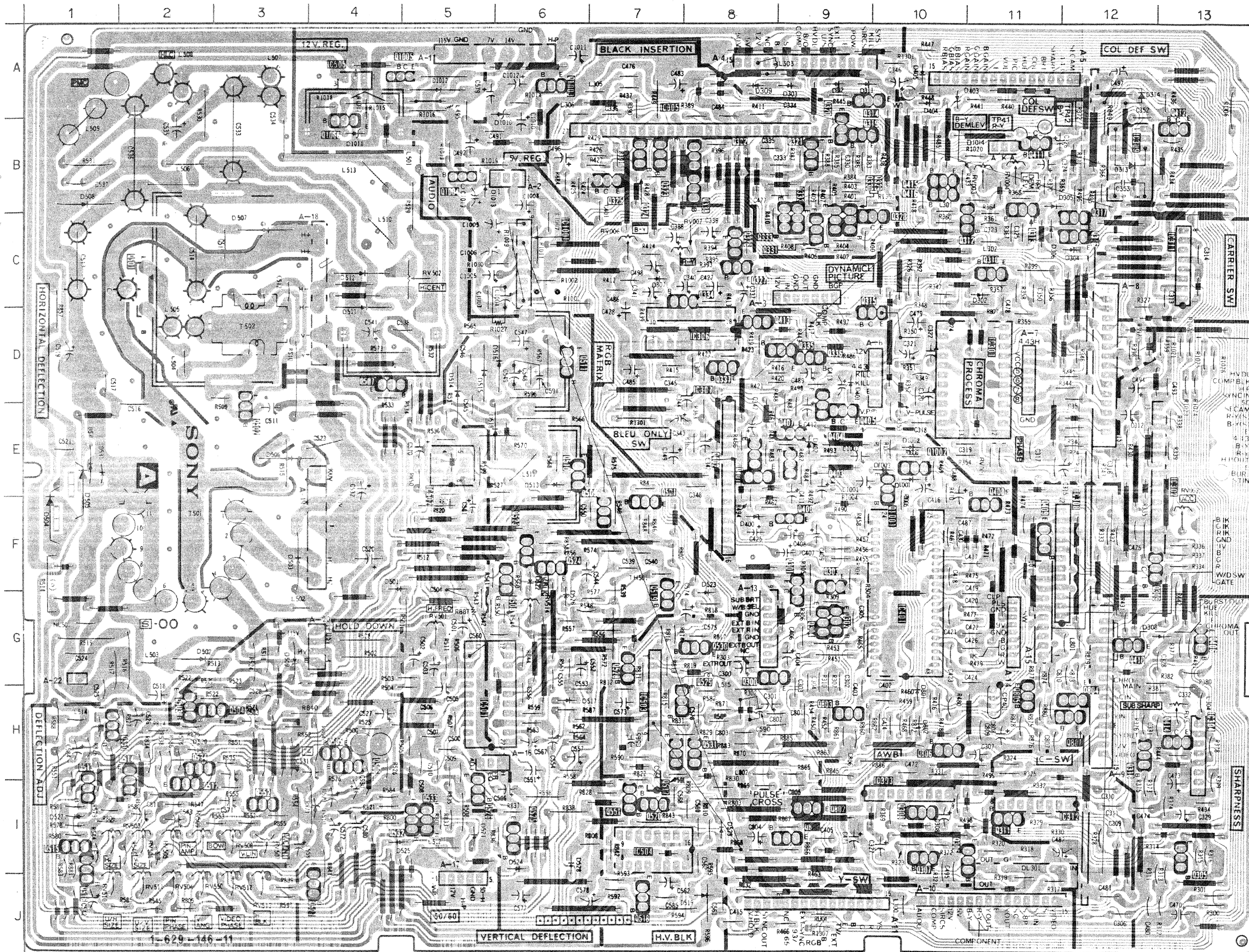




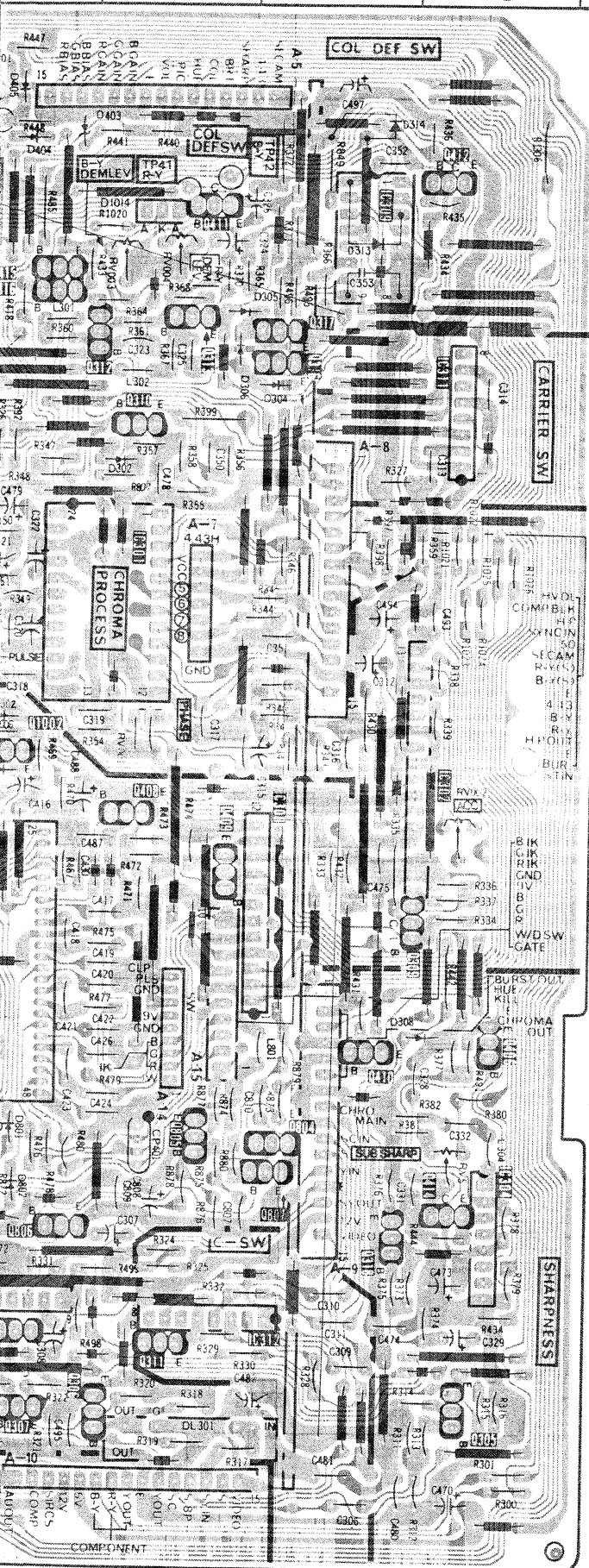
6-3. PRINTED WIRING BOARDS — A Board —

A

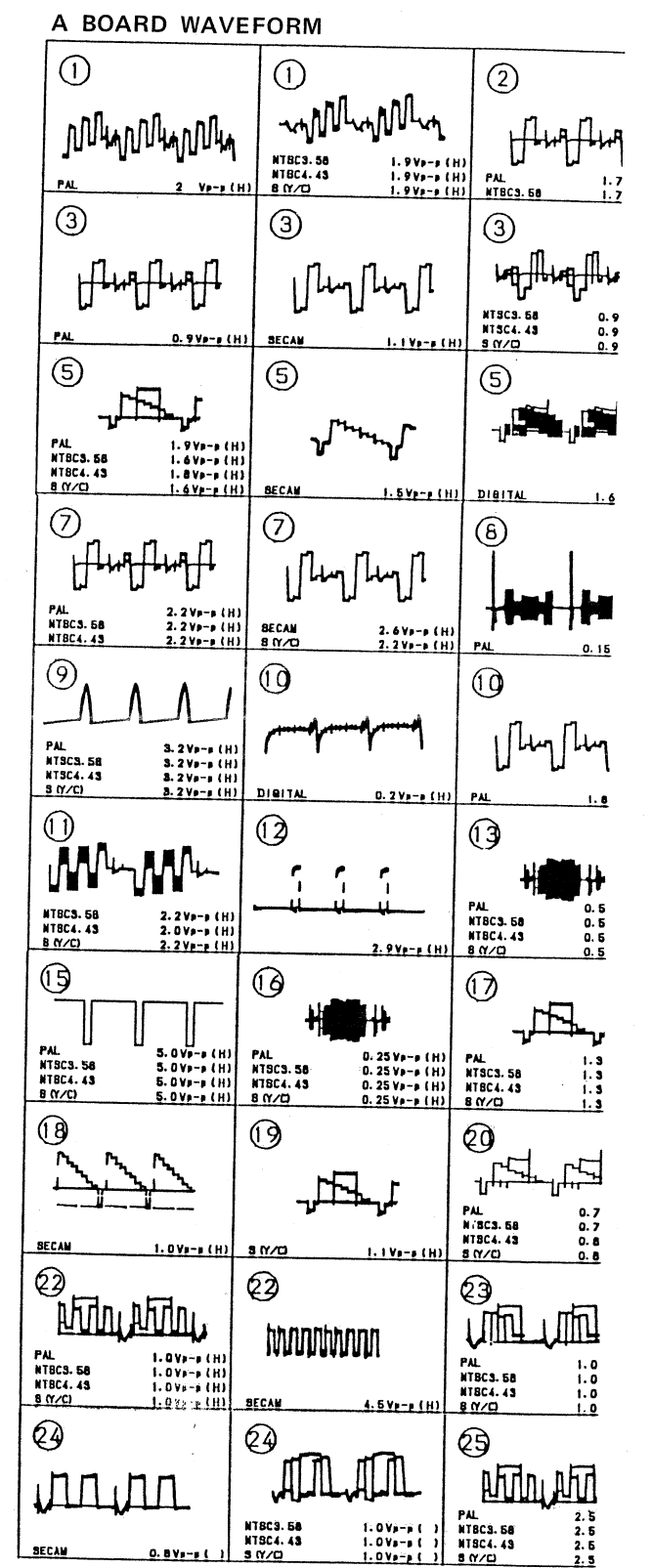
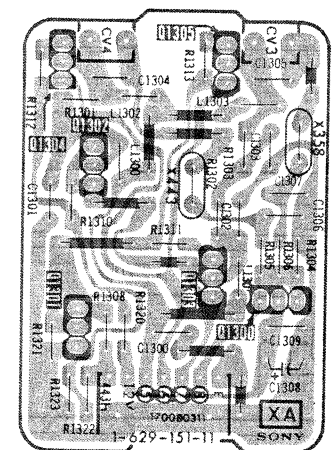
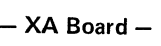
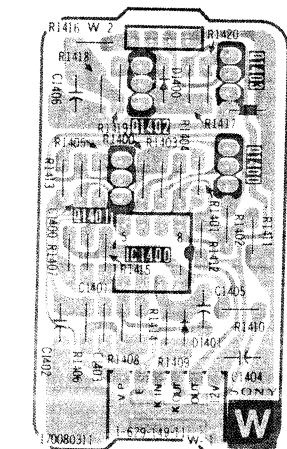
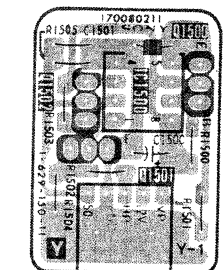
[SIGNAL PROCESS, DEFLECTION SYSTEM]



IC			
IC301	D-11	Q330	C-9
IC302	E-13	Q331	C-9
IC303	I-10	Q332	C-9
IC304	H-13	Q333	C-9
IC305	B-7	Q334	C-8
IC306	D-8	Q335	D-9
IC307	E-8	Q336	D-9
IC308	F-12	Q337	D-8
IC309	B-12	Q338	B-8
IC311	C-13	Q400	F-9
IC312	I-11	Q401	E-8
IC401	G-10	Q402	E-8
IC501	H-5	Q403	E-9
IC502	E-5	Q404	E-9
IC503	H-7	Q405	E-9
IC504	I-7	Q406	G-13
IC505	A-4	Q407	E-9
IC1001	C-6	Q408	F-11
		Q409	F-11
		Q410	G-12
		Q411	B-11
		Q412	B-13
		Q413	D-8
		Q414	H-13
		Q415	B-10
		Q416	B-10
TRANSISTOR			
Q300	G-8	Q501	C-2
Q301	G-9	Q502	E-3
Q302	G-9	Q503	H-2
Q303	G-9	Q504	H-2
Q304	G-9	Q505	H-4
Q305	I-13	Q506	H-4
Q306	I-11	Q507	D-4
Q307	I-10	Q508	F-6
Q308	I-10	Q509	F-7
Q309	I-13	Q510	E-6
Q310	C-11	Q511	D-6
Q311	I-11	Q512	I-2
Q312	C-11	Q513	I-1
Q313	B-11	Q514	I-2
Q314	A-9	Q515	I-1
Q315	D-9	Q516	J-1
Q316	C-12	Q517	H-7
Q317	C-12	Q518	J-7
Q318	H-12	Q519	G-7
Q319	B-9	Q520	I-7
Q320	B-9	Q521	F-7
Q321	B-9	Q522	I-3
Q322	B-8	Q523	F-6
Q323	B-7	Q524	F-6
Q324	B-7	Q525	I-6
Q325	B-7	Q526	I-5
Q326	C-8	Q528	G-7
Q327	C-8	Q529	H-8
Q328	C-9	Q530	G-8
Q329	C-9		



IC		Q330	C-9	Q531	H-8	D514	D-5
		Q331	C-9	Q532	I-5	D515	E-6
IC301	D-11	Q332	C-9	Q533	I-5	D516	D-6
IC302	E-13	Q333	C-9	Q534	H-2	D517	H-6
IC303	I-10	Q334	C-8	Q550	H-1	D518	E-6
IC304	H-13	Q335	D-9	Q551	I-7	D519	J-8
IC305	B-7	Q336	D-9	Q801	I-9	D520	H-2
IC306	D-8	Q337	D-8	Q802	I-9	D521	I-5
IC307	E-8	Q338	B-8	Q803	H-9	D522	F-6
IC308	F-12	Q400	F-9	Q804	H-12	D523	G-8
IC309	B-12	Q401	E-8	Q805	H-11	D524	J-6
IC311	C-13	Q402	E-8	Q806	H-10	D526	G-6
IC312	I-11	Q403	E-9	Q807	H-12	D527	I-1
IC401	G-10	Q404	E-9	Q1001	E-10	D528	I-6
IC501	H-5	Q405	E-9	Q1002	E-10	D529	I-8
IC502	E-5	Q406	G-13	Q1003	A-6	D530	E-1
IC503	H-7	Q407	E-9	Q1004	B-5	D531	E-1
IC504	I-7	Q408	F-11	Q1005	A-4	D801	H-10
IC505	A-4	Q409	F-11	Q1006	B-4	D802	H-10
IC1001	C-6	Q410	G-12			D1001	E-10
		Q411	B-11			D1002	E-10
		Q412	B-13			D1003	E-10
		Q413	D-8			D1010	A-6
		Q414	H-13			D1011	B-4
		Q415	B-10			D1012	A-5
		Q416	B-10			D1013	B-5
		Q501	C-2			D1014	B-11
		Q502	E-3				
		Q503	H-2				
		Q504	H-2				
		Q505	H-4				
		Q506	H-4				
		Q507	D-4				
		Q508	F-6				
		Q509	F-7				
		Q510	E-6				
		Q511	D-6				
		Q512	I-2				
		Q513	I-1				
		Q514	I-2				
		Q515	I-1				
		Q516	J-1				
		Q517	H-7				
		Q518	J-7				
		Q519	G-7				
		Q520	I-7				
		Q521	F-7				
		Q522	I-3				
		Q523	F-6				
		Q524	F-6				
		Q525	I-6				
		Q526	I-5				
		Q528	G-7				
		Q529	H-8				
		Q530	G-8				
TRANSISTOR		DIODE				VARIABLE RESISTOR	
		D302	C-11	D303	A-9		
Q300	G-8	D304	C-12	D305	B-11	RV002	E-13
Q301	G-9	D306	C-11	D307	C-7	RV003	B-11
Q302	G-9	D308	G-13	D309	A-8	RV004	B-11
Q303	G-9	D311	A-9	D312	A-9	RV005	H-13
Q304	G-9	D313	B-12	D314	A-12	RV006	C-7
Q305	I-13	D400	F-8	D401	D-9	RV007	C-7
Q306	I-11	D402	E-9	D403	A-10	RV501	G-5
Q307	I-10	D404	A-10	D405	A-10	RV502	C-5
Q308	I-10	D501	G-4	D502	G-2	RV503	I-1
Q309	I-13	D503	F-3	D504	F-1	RV504	J-2
Q310	C-11	D505	E-1	D506	E-3	RV505	I-2
Q311	I-11	D507	C-3	D508	B-1	RV506	I-2
Q312	C-11	D509	G-3	D510	I-4	RV507	I-3
Q313	B-11	D511	D-4	D512	C-4	RV508	I-3
Q314	A-9	D513	E-6			RV509	I-2
Q315	D-9					RV510	J-1
Q316	C-12					RV511	J-2
Q317	C-12					RV512	J-3
Q318	H-12					RV513	J-3
Q319	B-9					RV514	G-6
Q320	B-9					RV550	J-2
Q321	B-9						
Q322	B-8						
Q323	B-7						
Q324	B-7						
Q325	B-7						
Q326	C-8						
Q327	C-8						
Q328	C-9						
Q329	C-9						



W

3.58/4.43
DISTINCTION

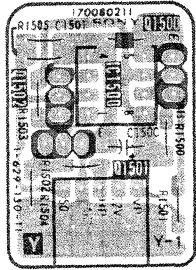
X_A

[CRYSTAL
OSC]

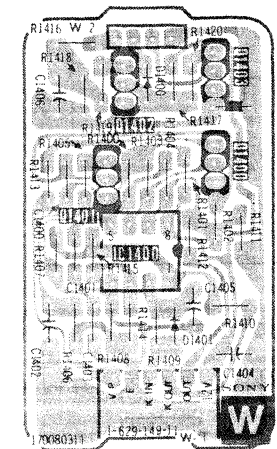
Y

[50/60
DISTINCTION]

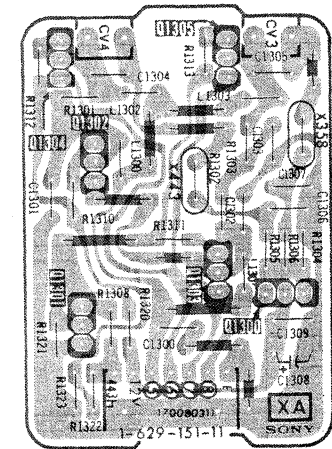
– Y Board – (PVM-1342Q, 1343MD)



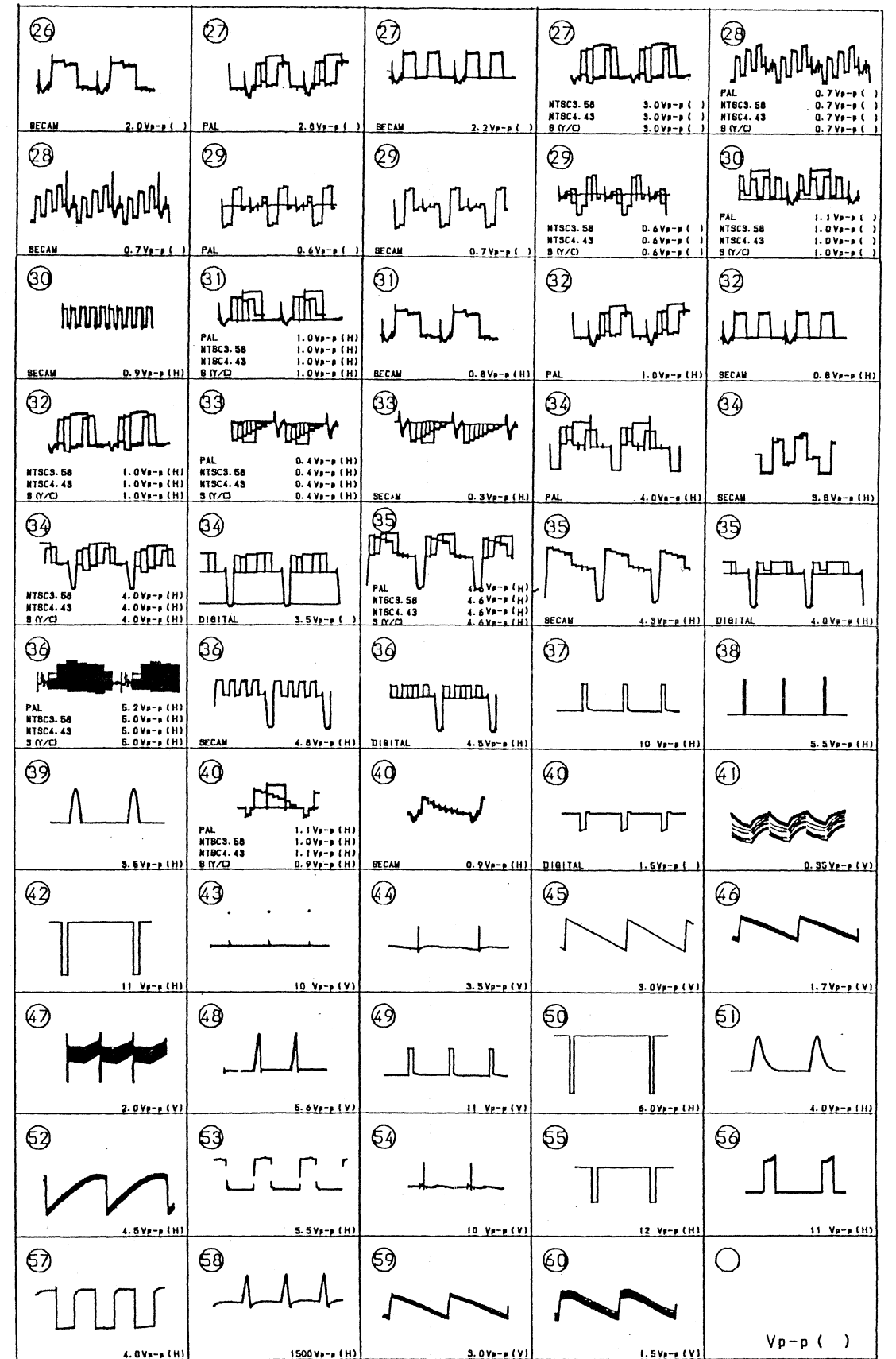
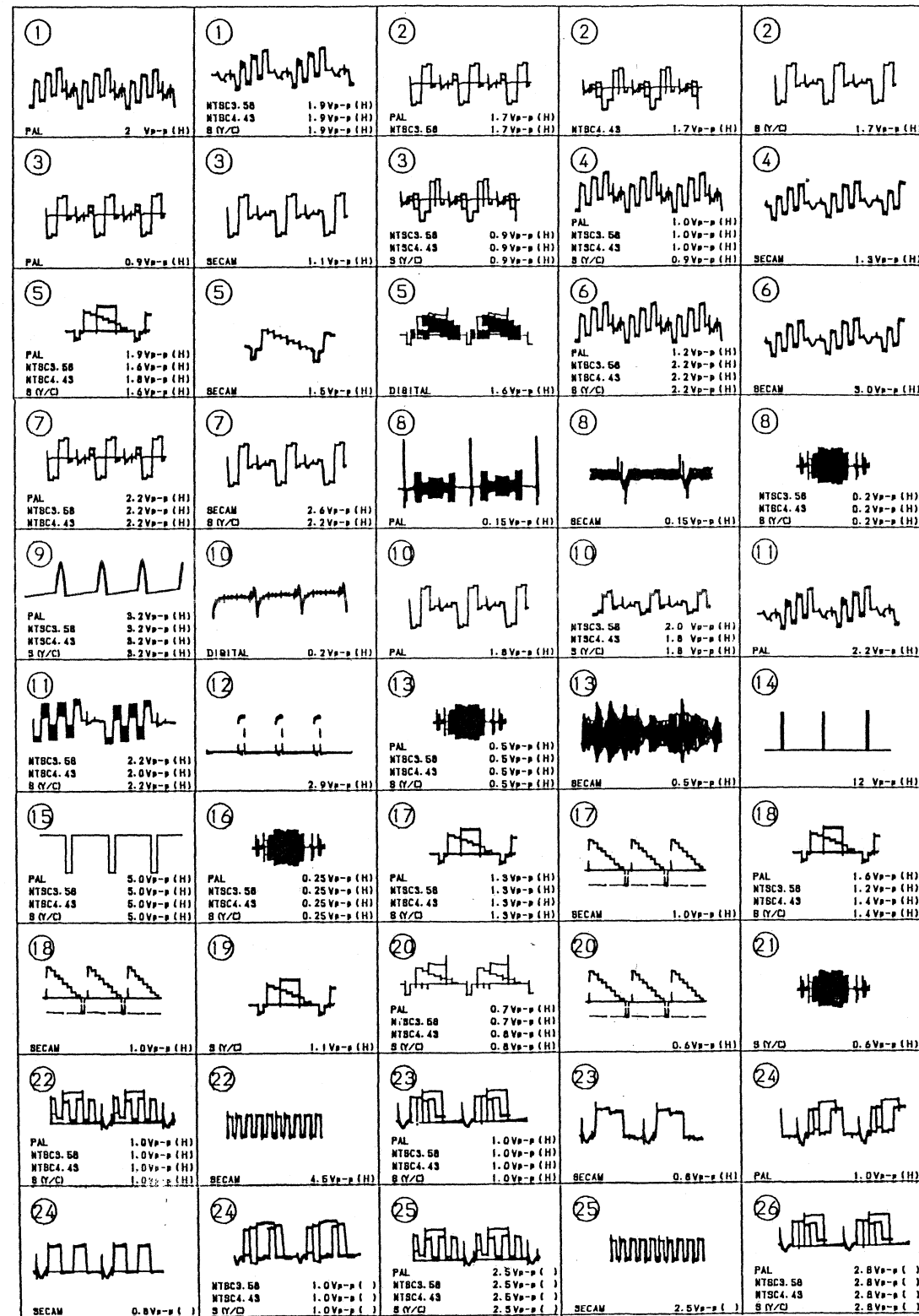
— W Board —



– XA Board –

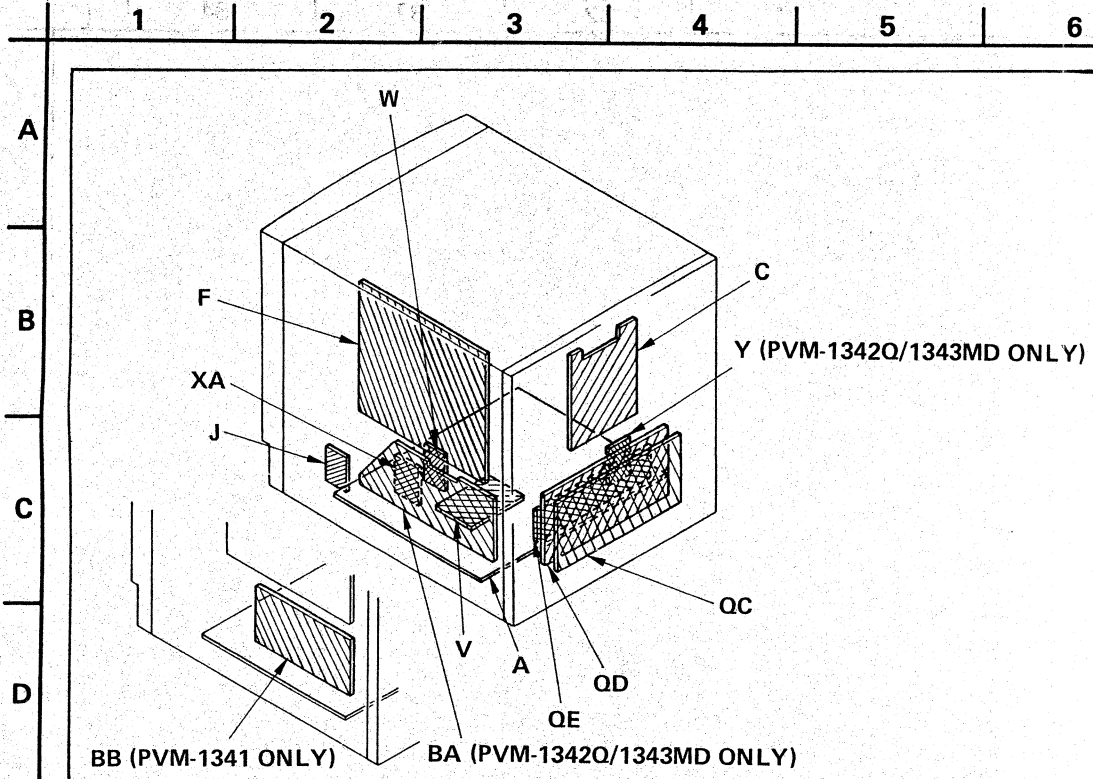


A BOARD WAVEFORM



6-4. CIRCUIT BOARDS LOCATION

6-5. SCHEMATIC DIAGRAMS



Note:

- All capacitors are in μF unless otherwise noted.
- μF : μF 50 WV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm

Rating electrical power 1/4W

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved. (Refer to R500 and R690 adjust on page 17 and 18)
- When replacing the part in below table be sure to perform the related adjustment.

Part replaced ()	Adjustment ()
IC601, IC602, IC651, D654, D655, C658, C659, R634, R652, R653, R654, R655, R656, R657, R665, R671, R690, RV601	R690 (B+ MAX)
IC501, Q503, Q504, Q505, Q506, D509, D510, C505, C520, C524, C525, C526, C527, C528, C529, C530, C531, R500, R506, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R528, R804, NL501, HVR	R500 (HOLD-DOWN)

- All voltages are in V.
- Voltage are dc with respect to ground unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Readings are taken with a PAL color-bar signal input.
- : adjustment for repair.
- Voltage variations may be noted due to normal production tolerance.
- : B+ bus.
- : B- bus.
- : signal path.
- No mark: with PAL color-bar signal received or common voltage.
- () : with SECAM color-bar signal received.
- < > : with NTSC 3.58 color-bar signal received.
- (()) : with NTSC 4.43 color-bar signal received.
- [] : with S (Y/C) color-bar signal received.
- () : with digital (9 pin in) color-bar signal received.
- * : measurement impossibility.

Reference information

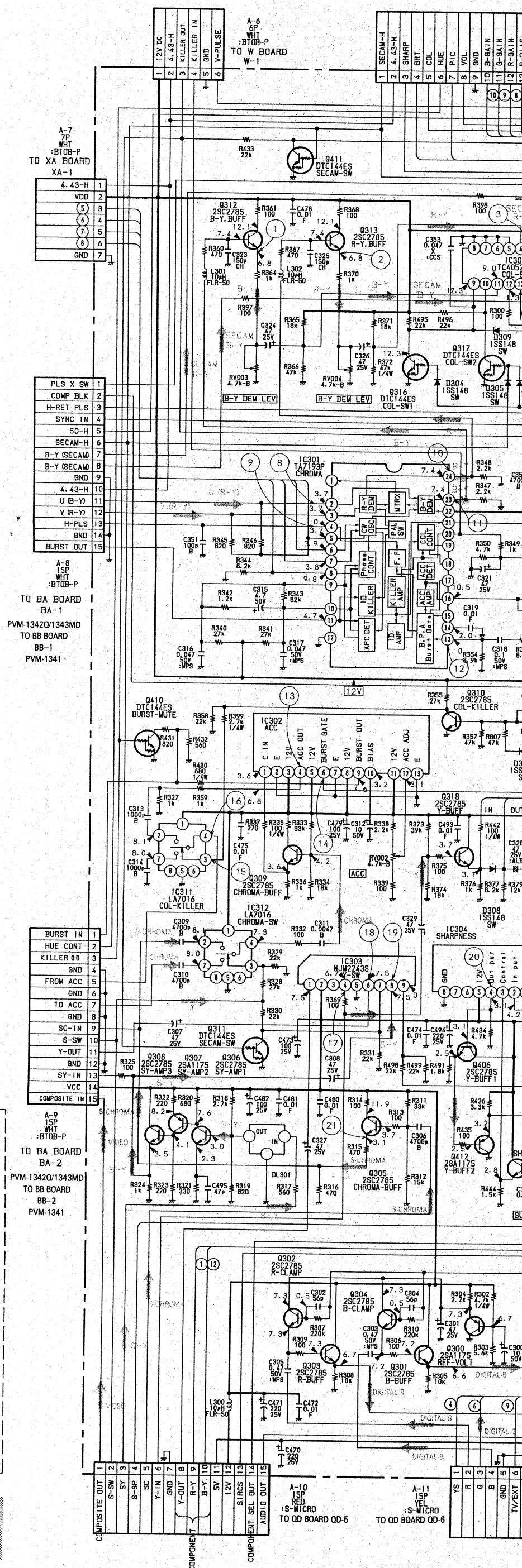
RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE WIREWOUND
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

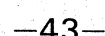
IC-NO	PIN	PAL	SECAM	NTSC 3.58	NTSC 4.43	S-VIDEO	DIGITAL
IC309	1	1.1	1.7	3.0	1.8	1.5	
	2	9.1	10.5	9.1	9.1	9.1	
	3	12.3	0.1	12.3	12.3	12.3	
	4	9.1	10.5	9.1			
	5	7.0	10.2	7.0	7.0	7.0	
	6	6.4	9.6	6.4	6.4		
	7	6.9	10.2	6.9	6.9	6.9	
	8	6.3	9.6	6.4	6.4	6.4	
	9	6.3	10.0	6.8	6.8		
	10	8.6	8.6	8.6	8.6	8.6	
	11	6.5	7.5	6.5	6.5	7.5	
	12	8.4	2.2	8.4	8.4	2.2	
	13	2.9	9.5	9.4	6.1	6.1	
	14	6.4	6.3	6.3	5.0	5.0	
	15	1.4	1.4	1.4	1.4	1.4	
	16	4.3	0.1	4.3	4.3	4.3	
	17	2.3	7.3	7.3	7.3	7.3	
	18	0	0	0	0	0	
	19	0	0	0	3.8	0.4	
	20	0	2.8	2.8	2.8	2.4	
	21	2.8	0.9	0.9	0.9	1.1	
	22	0.9	4.4	4.4	4.4	4.4	
	23	4.4	5.3	5.3	5.3	5.3	
	24	5.3	6.0	6.0	6.0	6.0	
	25	5.0	5.7	5.6	3.8	2.6	
	26	4.3	1.0	1.2	0.8	0.6	
	27	0.7	0.2	0.3	0	0	
	28	0.4	0.8	1.1	0.7	0.7	
	29	0.5	0.2	0.3	0	0	
	30	0.3	1.0	0.7	0.6	0.6	
	31	0.5	3.1	3.2	3.1	3.0	
	32	2.9	1.0	1.0	1.0	1.0	

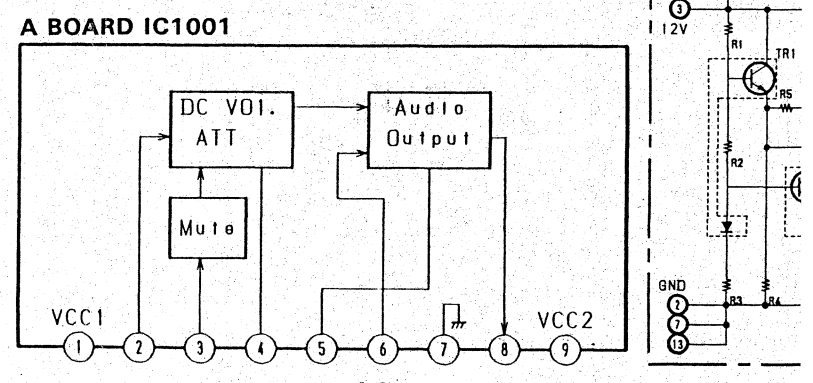
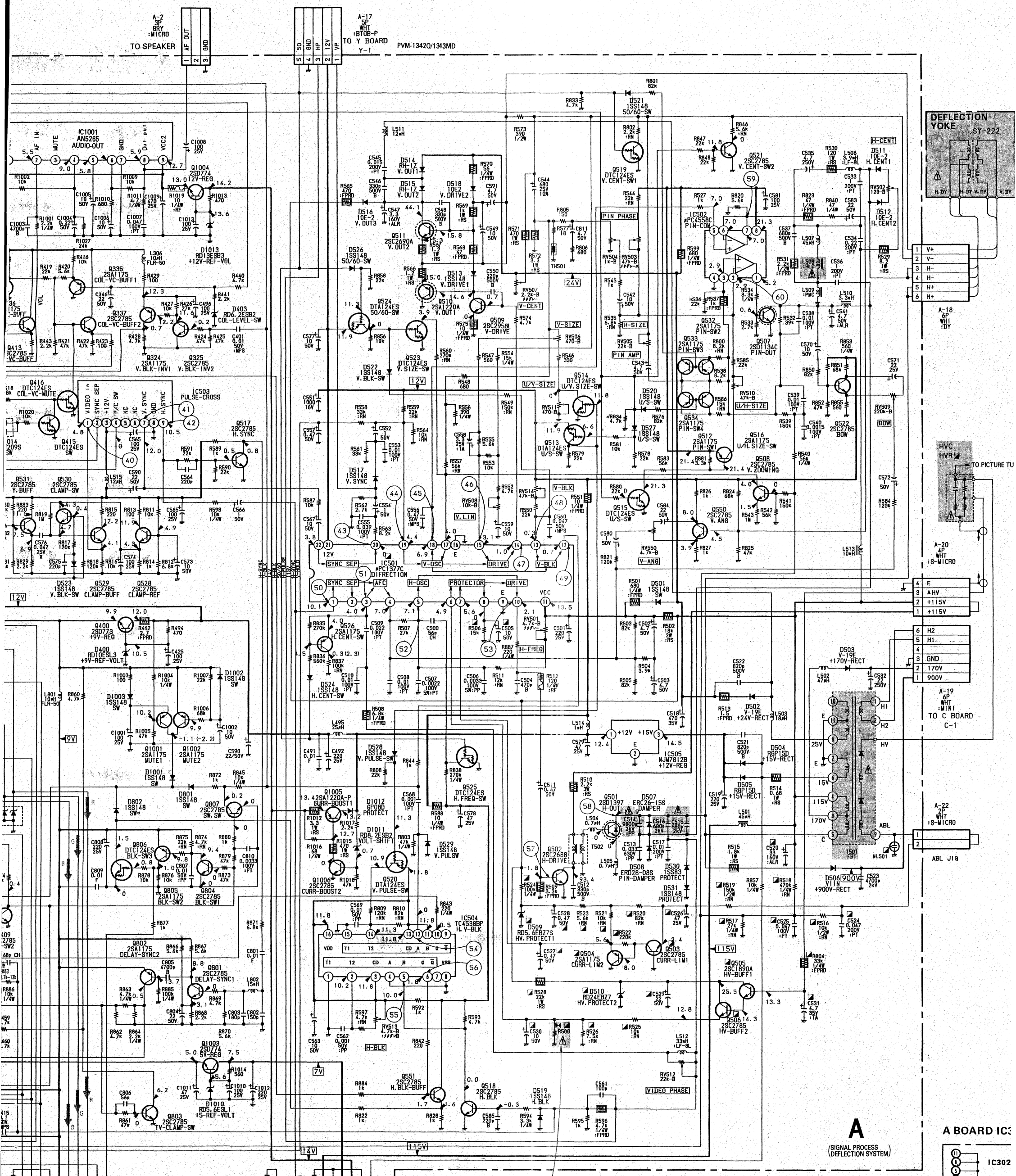
Q-NO	PAL	SECAM	NTSC 3.58	NTSC 4.43	S-VIDEO	DIGITAL
Q411	0.5	0.1	0.5	0.5		
Q316	0	0.2	0.3	0	0	
Q317	12.3	0.1	12.3	12.3	12.3	
Q410	0	11.7	0.3	0	0.3	
Q413	2.1	0	2.1	2.1	0	
Q406	0.6	10.5	0.6	0.6	10.6	
Q310	0.2	0	0.2	0.2		
Q405	4.3	0	4.3	4.3		
Q407	0.3	0.4	0	0.6	0.6	
Q408	7.8	9.5	9.7	7.0		
Q409	0.3	0.4	0.2	0		
Q401	4.0	4.5	4.3	4.4		
Q402	7.5	9.0	9.2	6.7		
Q403	7.9	9.5	9.7	7.2		
Q404	7.9	9.5	9.7	7.2		
Q328	9.8	11.0	9.8	9.8		
Q329	2.5	1.2	2.5	2.5		
Q330	1.9	0.6	1.9	1.9		
Q331	2.6	10.8	2.6	2.6		
Q332	12.1	11.9	12.1	12.1		
Q333	2.6	10.8	2.6	2.6		
Q334	9.8	11.1	9.8	9.8		
Q335	2.6	1.2	2.6	2.6		
Q336	9.1	10.5	9.1	9.1		
Q337	1.9	0.6	1.9	1.9		
Q338	2.5	1.2	2.5	2.5		
Q339	2.6	10.8	2.6	2.6		
Q340	12.1	11.9	12.1	12.1		
Q341	2.6	10.8	2.6	2.6		
Q342	9.8	11.1	9.8	9.8		
Q343	2.6	1.2	2.6	2.6		
Q344	9.1	10.5	9.1	9.1		
Q345	1.9	0.6	1.9	1.9		
Q346	2.5	1.2	2.5	2.5		
Q347	2.6	10.8	2.6	2.6		
Q348	12.1	11.9	12.1	12.1		
Q349	2.6	10.8	2.6	2.6		
Q350	9.8	11.1	9.8	9.8		
Q351	2.6	1.2	2.6	2.6		
Q352	9.1	10.5	9.1	9.1		
Q353	1.9	0.6	1.9	1.9		
Q354	2.5	1.2	2.5	2.5		
Q355	2.6	10.8	2.6	2.6		
Q356	12.1	11.9	12.1	12.1		
Q357	2.6	10.8	2.6	2.6		
Q358	9.8	11.1	9.8	9.8		
Q359	2.6	1.2	2.6	2.6		
Q360	9.1	10.5	9.1	9.1		
Q361	1.9	0.6	1.9	1.9		
Q362	2.5	1.2	2.5	2.5		
Q363	2.6	10.8	2.6	2.6		
Q364	12.1	11.9	12.1	12.1		
Q365	2.6	10.8	2.6	2.6		
Q366	9.8	11.1	9.8	9.8		
Q367	2.6	1.2	2.6	2.6		
Q368	9.1	10.5	9.1	9.1		
Q369	1.9	0.6	1.9	1.9		
Q370	2.5	1.2	2.5	2.5		
Q371	2.6	10.8	2.6	2.6		
Q372	12.1	11.9	12.1	12.1		
Q373	2.6	10.8	2.6	2.6		
Q374	9.8	11.1	9.8	9.8		
Q375	2.6	1.2	2.6	2.6		
Q376	9.1	10.5	9.1	9.1		
Q377	1.9	0.6	1.9	1.9		
Q378	2.5	1.2	2.5	2.5		
Q379	2.6	10.8	2.6	2.6		
Q380	12.1	11.9	12.1	12.1		
Q381	2.6	10.8	2.6	2.6		
Q382	9.8	11.1	9.8	9.8		
Q383	2.6	1.2	2.6	2.6		
Q384	9.1	10.5	9.1	9.1		
Q385	1.9	0.6	1.9	1.9		
Q386	2.5	1.2	2.5	2.5		
Q387	2.6	10.8	2.6	2.6		
Q388	12.1	11.9	12.1	12.1		
Q389	2.6	10.8	2.6	2.6		
Q390	9.8	11.1	9.8	9.8		
Q391	2.6	1.2	2.6	2.6		
Q392	9.1	10.5	9.1	9.1		
Q393	1.9	0.6	1.9	1.9		
Q394	2.5	1.2	2.5	2.5		
Q395	2.6	10.8	2.6	2.6		
Q396	12.1	11.9	12.1	12.1		
Q397	2.6	10.8	2.6	2.6		
Q398	9.8	11.1	9.8	9.8		
Q399	2.6	1.2	2.6	2.6		
Q400	9.1	10.5	9.1	9.1		

Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

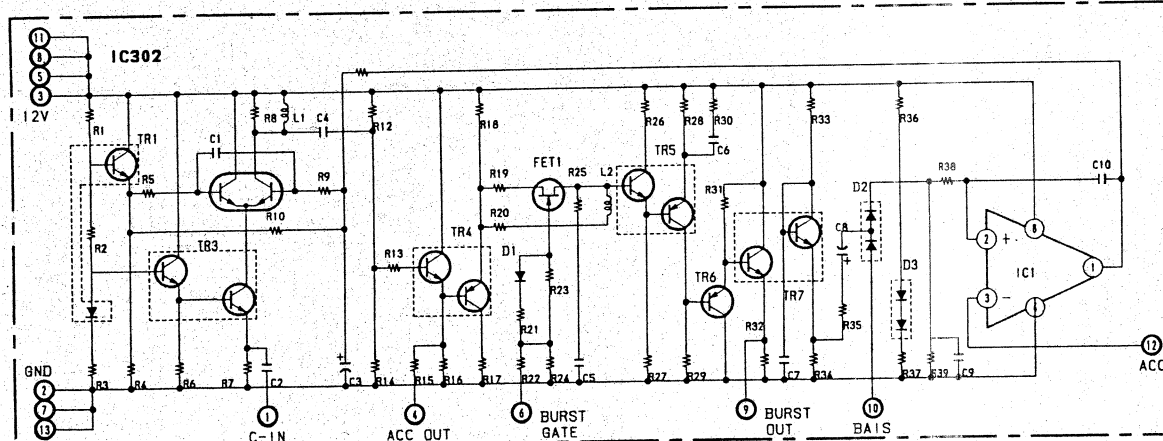
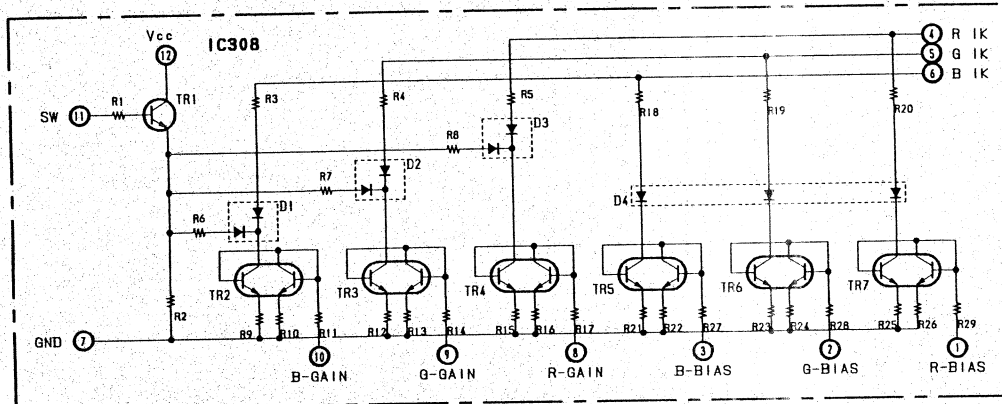
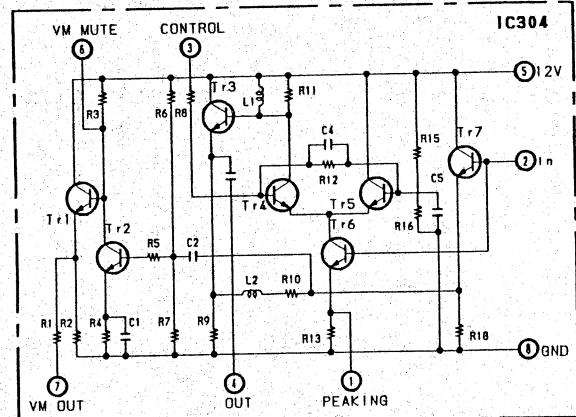
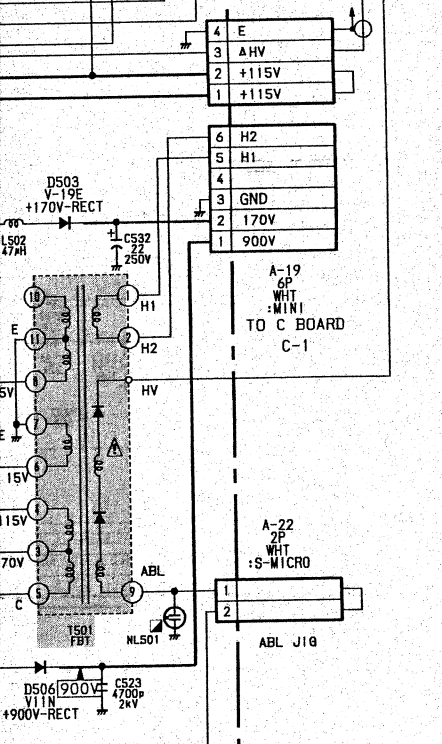
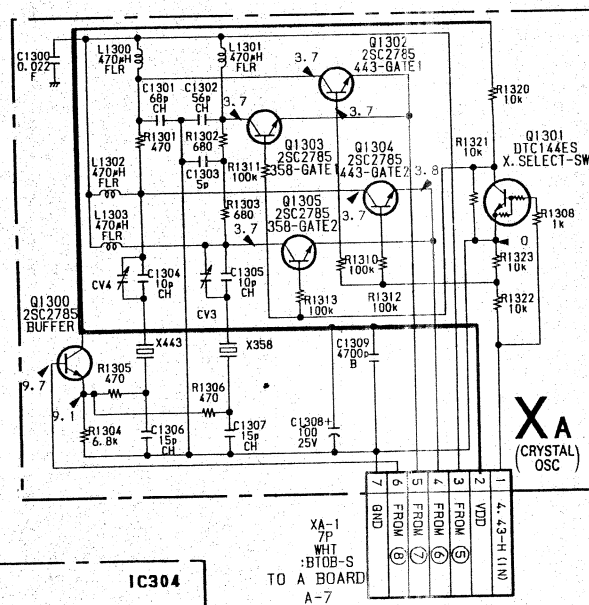
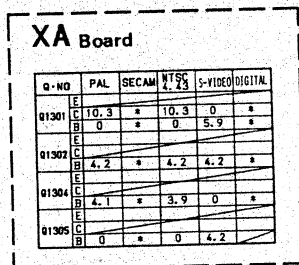
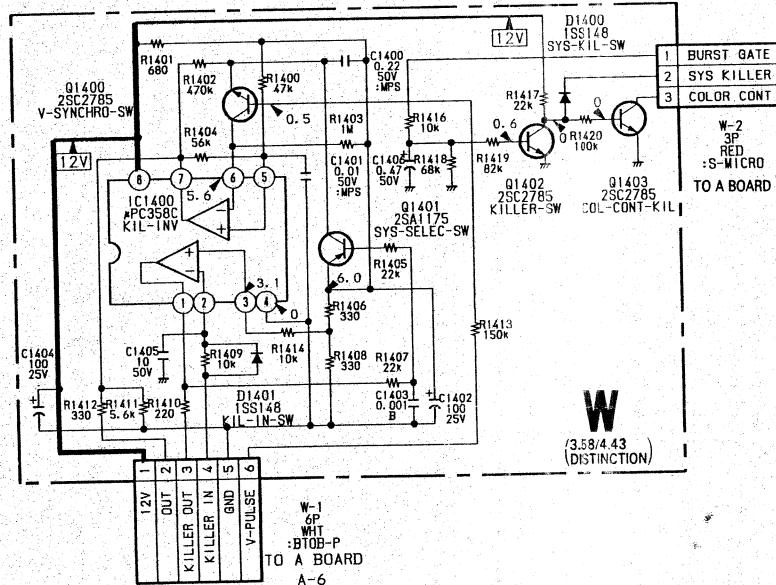
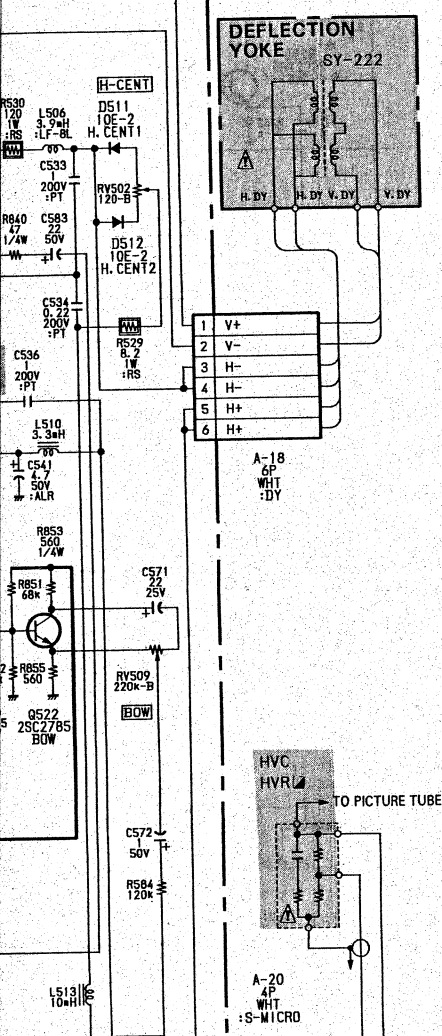
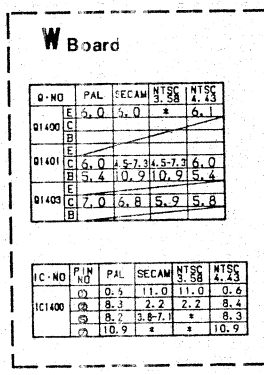
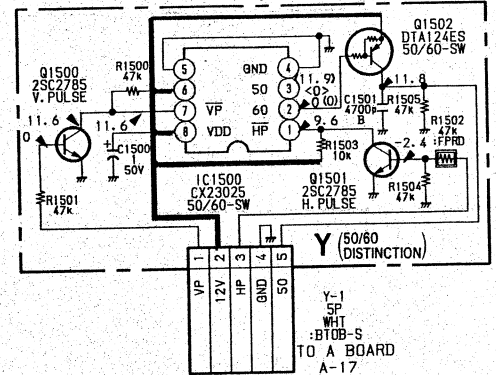
Note: Les composants identifiés par un trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.





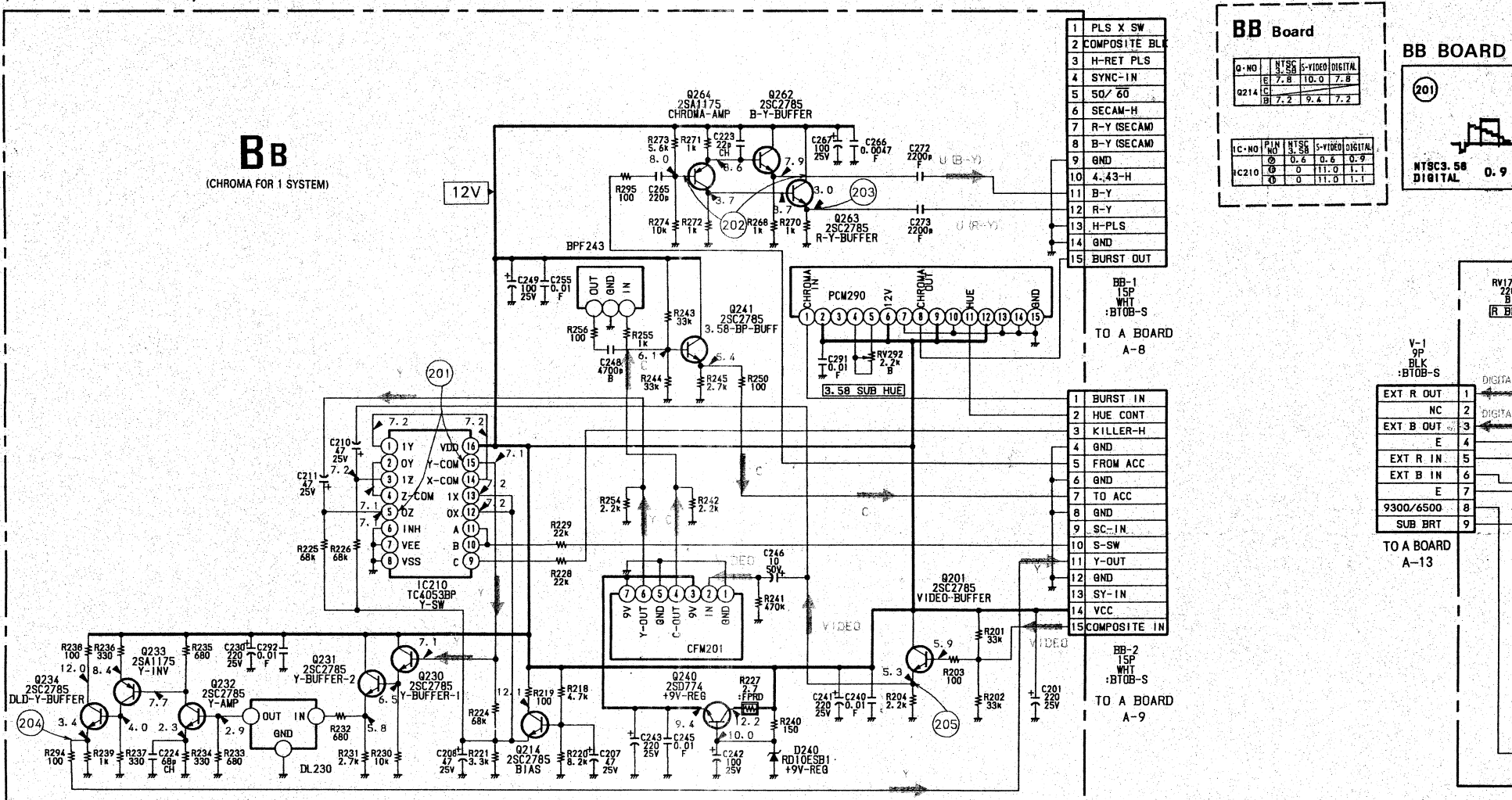


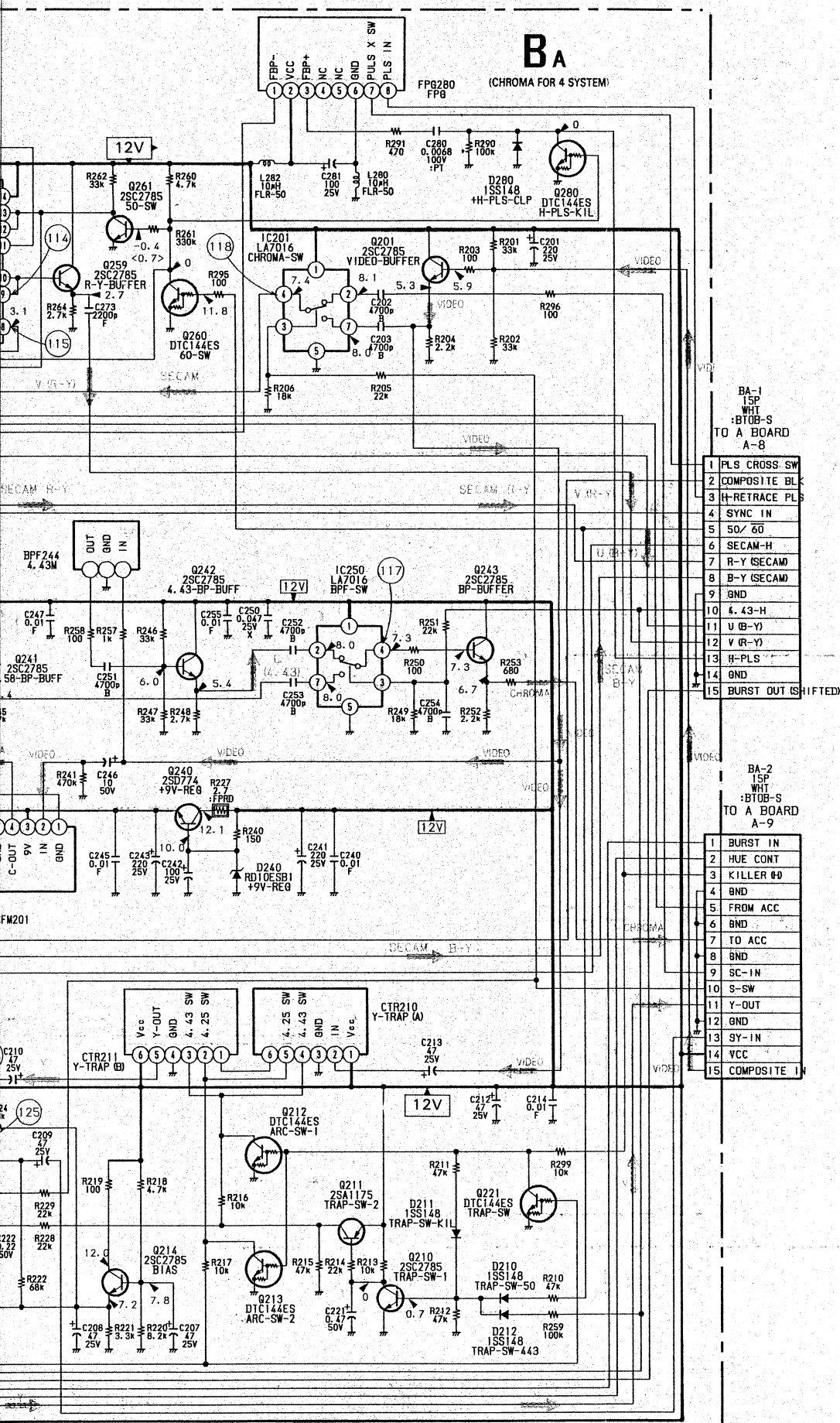
(Y Board: PVM-1342Q, PVM-1343MD Only)



(SIGNAL PROCESS DEFLECTION SYSTEM)

44-



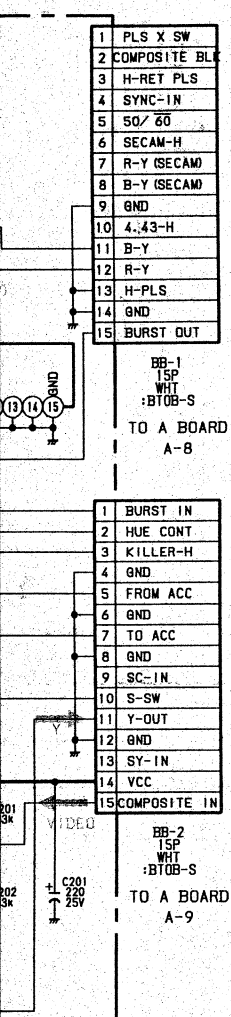
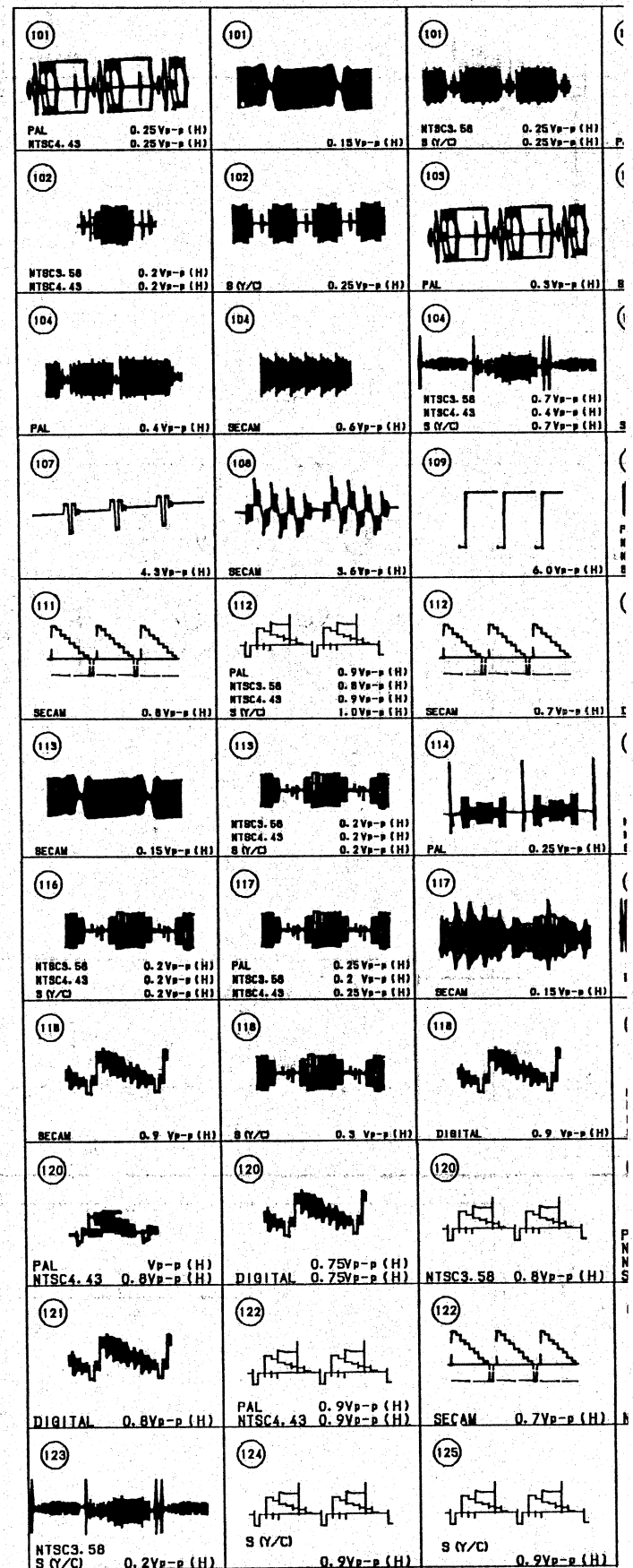


Q-N	PAL	SECAM	NTSC 3.58	NTSC 4.43	S-VIDEO	DIGITAL
Q2-1	E					
	B					
Q2-1	C	12.2	12.2	0	12.2	
	B	11.6	11.6	12.2	11.6	
Q2-2	E					
	B					
Q2-2	C	5.5	5.5	0	5.5	
	B	0.5	0	0.5	11.5	
Q2-3	E					
	B					
Q2-3	C	0	5.9	0	0	
	B	0.5	0	0.5	11.5	
Q2-11	E					
	B					
Q2-11	C	0.5	0	0.5	0.5	6.9
	B	0	12.2	0	0	0
Q2-5B	E					
	B					
Q2-5B	C	2.6	2.7	7.9	7.9	7.9
	B					
Q2-5B	C					
	B	3.3	3.4	3.1	3.1	3.3
Q2-5I	E					
	B					
Q2-5I	C	12.2	3.4	3.1	3.1	3.3
	B					3.1
Q2-30	E					
	B					
Q2-30	C	0	0	10.9	10.9	
	B					
Q2-12	E					
	B					
Q2-12	C	7.6	6.9	12.2	12.7	12.2
	B					12.2
Q4-31	E					
	B					
Q4-31	C	0	2.6	0		
	B					
Q4-32	E					
	B					
Q4-32	C	0	3.1	0		
	B					
Q4-35	E					
	B					
Q4-35	C	0	12.2	0	0	
	B	11.9	6.1	11.3	11.3	
Q4-38	E					
	B					
Q4-38	C	7.3	0	7.3	7.3	

BA Board

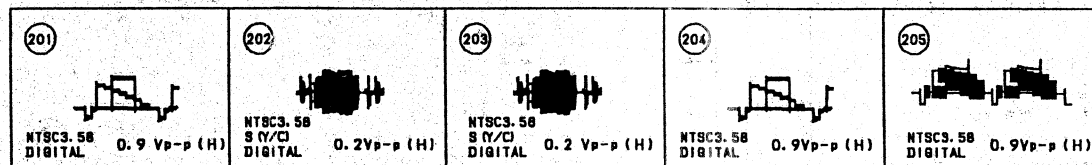
TC-NO	PLN NO	PAL	SECAM	NITSC 3.58	NITSC 4.43	S-VHSIO	DIGITAL
	①	0	0	0	0	11.0	1.1
IC210	②	0	0	0	0	11.0	1.1
	③	12.2	12.2	0	12.2	0	12.2
IC250	④	4.8	4.8	0	4.8	0	4.8
	⑤	0	0	0	0	4.9	0.5
IC201	⑥	2.6	2.7	7.9	7.9	7.9	7.9
	⑦	0	0	10.9	10.9	10.9	10.9
IC260	⑧	3.3	3.4	3.1	3.1	3.1	3.1
	⑨	12.2	12.2	0	0	0	0
	⑩	10.8	10.8	10.8	10.8	10.8	8.4
	⑪	7.3	10.8	7.3	7.3	7.3	8.2
	⑫	7.3	7.3	7.8	7.8	7.3	8.0
	⑬	10.8	10.8	10.8	10.8	10.9	10.9
IC261	⑭	0	0	10.9	10.9	10.9	8.2
	⑮	5.9	6.0	7.3	7.3	7.3	7.9
	⑯	7.3	10.8	7.3	7.3	7.3	8.2
	⑰	12.2	12.2	0	0	0	0
	⑱	0.5	10.5	0.5	0.5	0.5	10.8
	⑲	6.0	6.0	6.0	6.0	4.7	4.7
IC211	⑳	10.3	0	10.5	10.8		
	㉑	7.6	6.9	12.2	12.2	12.2	12.2

BA BOARD WAVEFORM

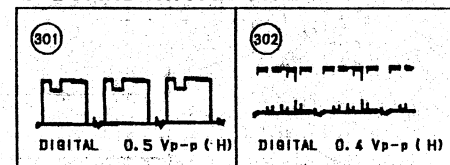
**BB Board**

Q-NO	NTSC	S-VIDEO	DIGITAL
Q214	E 7.8	10.0	7.8
	C		
	B 7.2	9.4	7.2

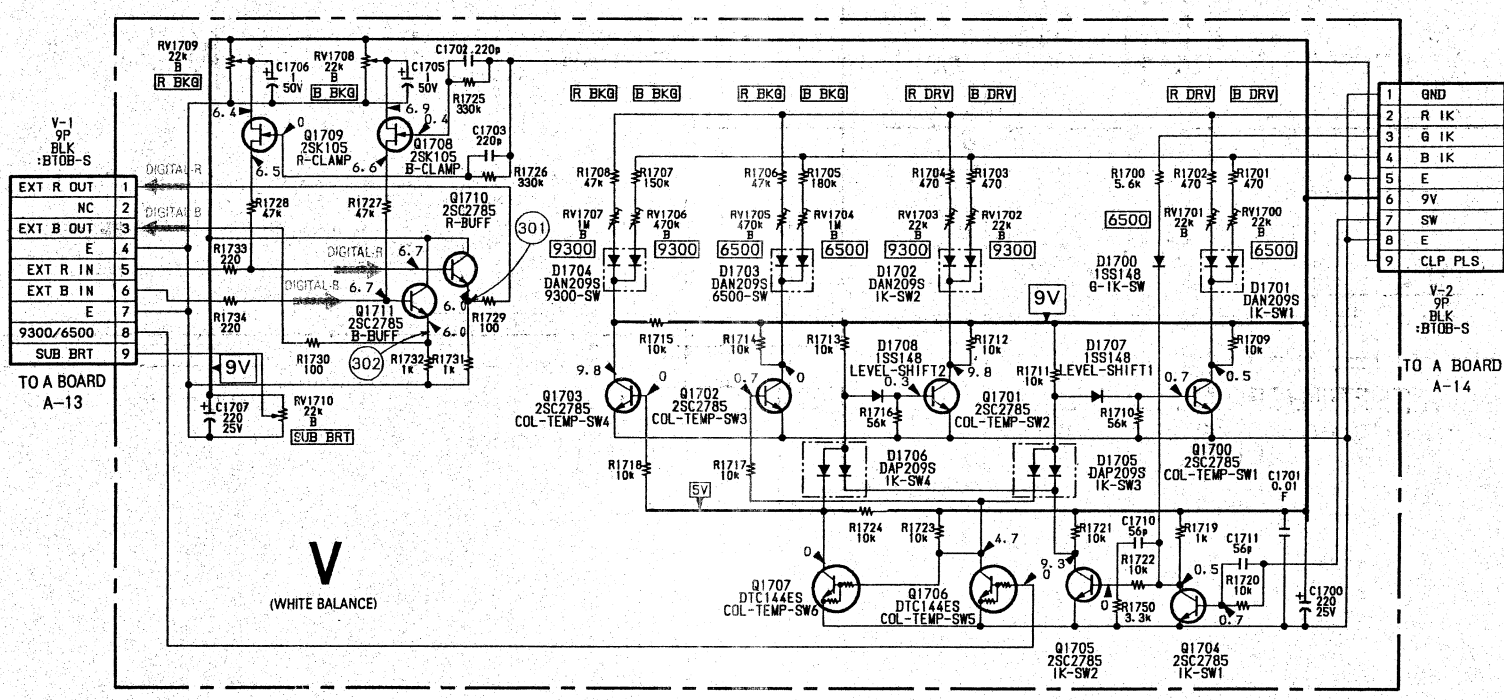
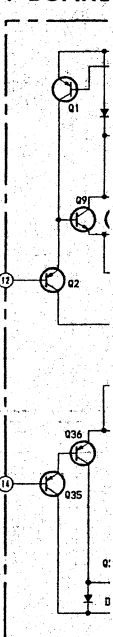
BB BOARD WAVEFORM



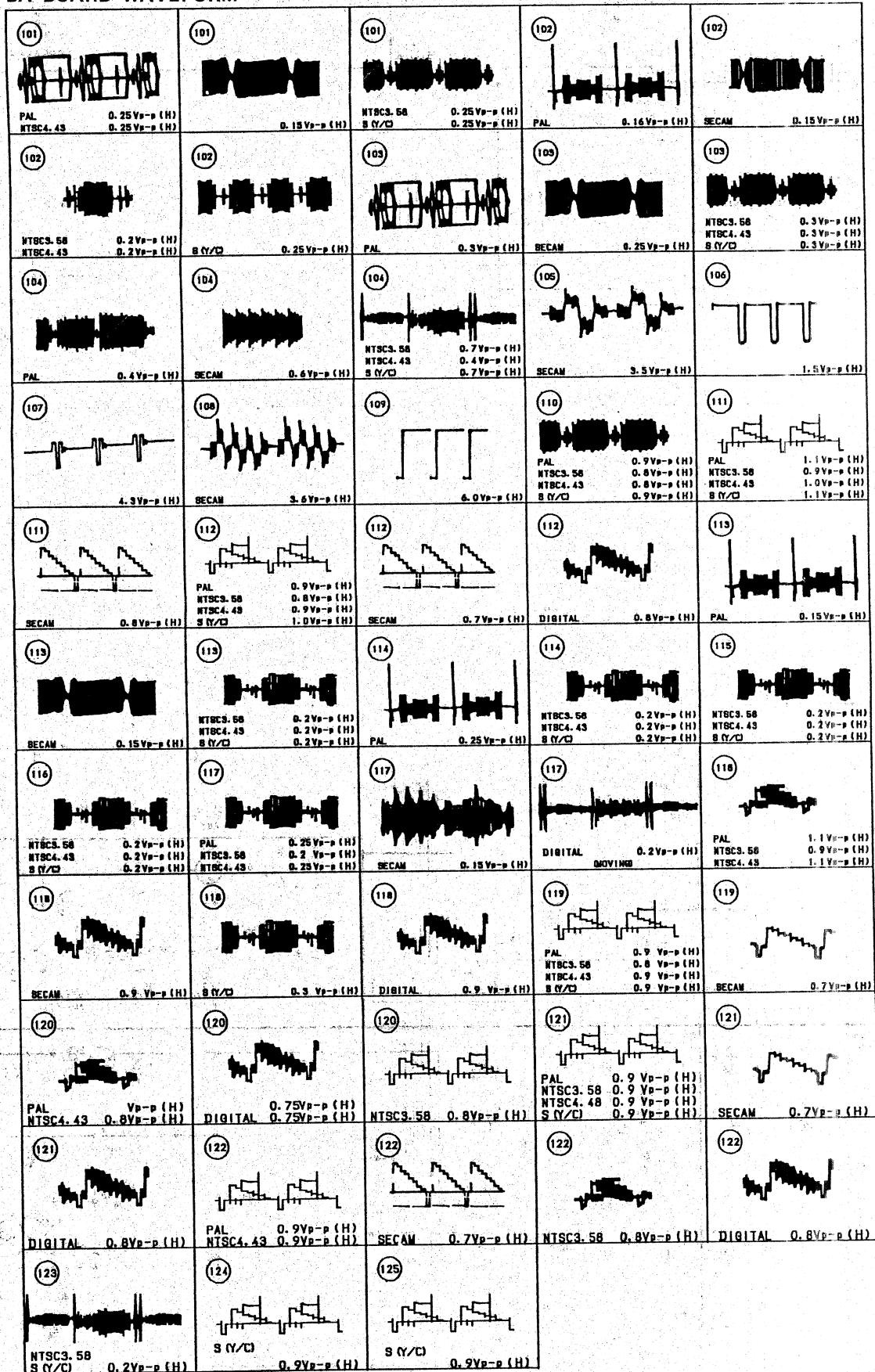
V BOARD WAVEFORM



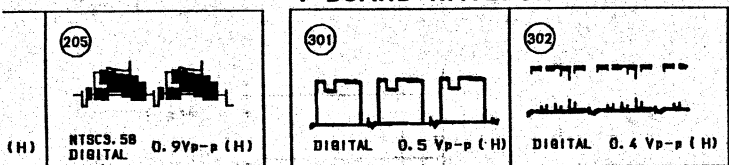
F BOARD



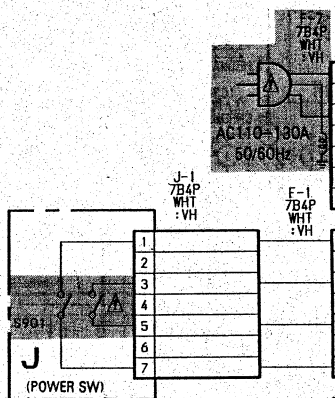
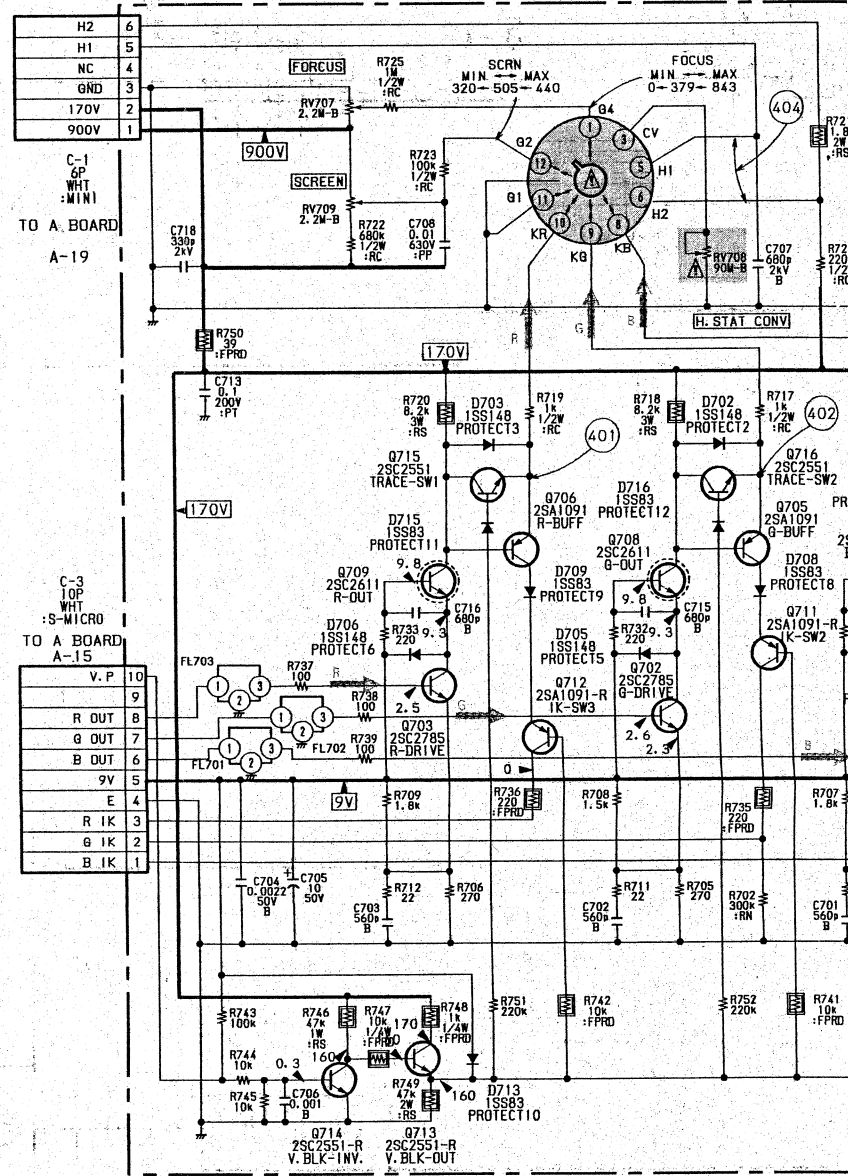
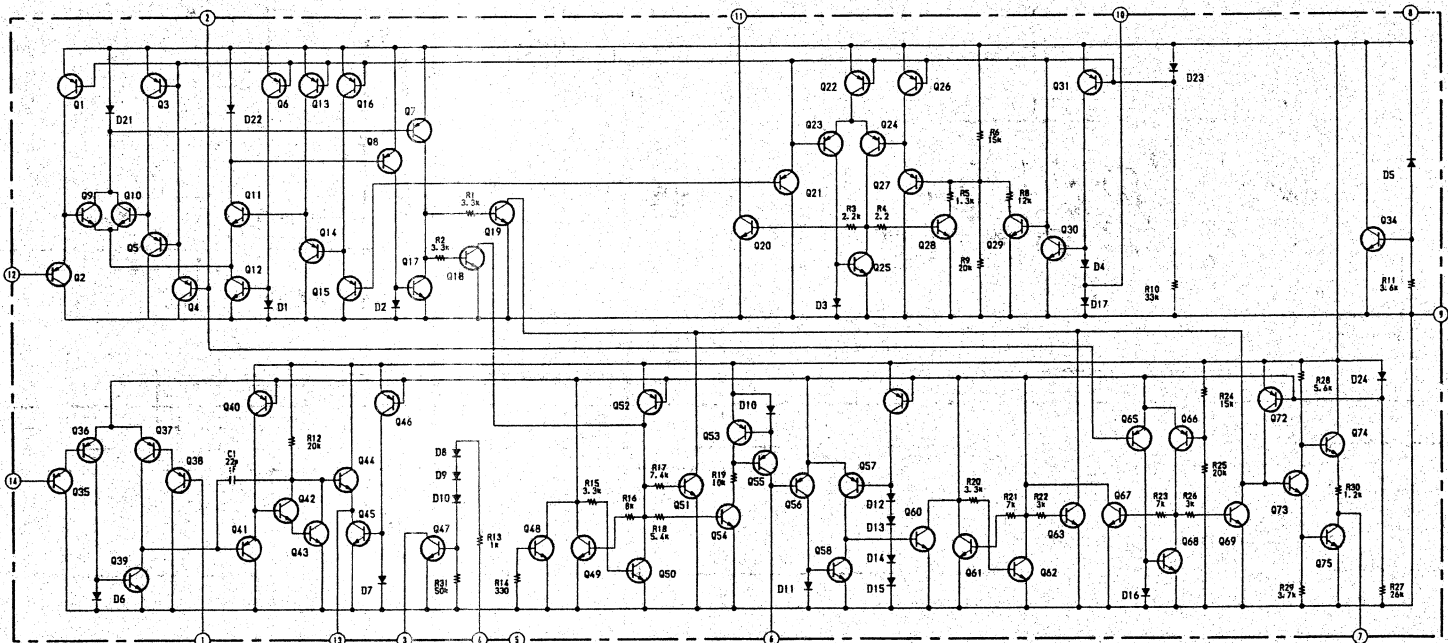
BA BOARD WAVEFORM



V BOARD WAVEFORM



F BOARD IC601

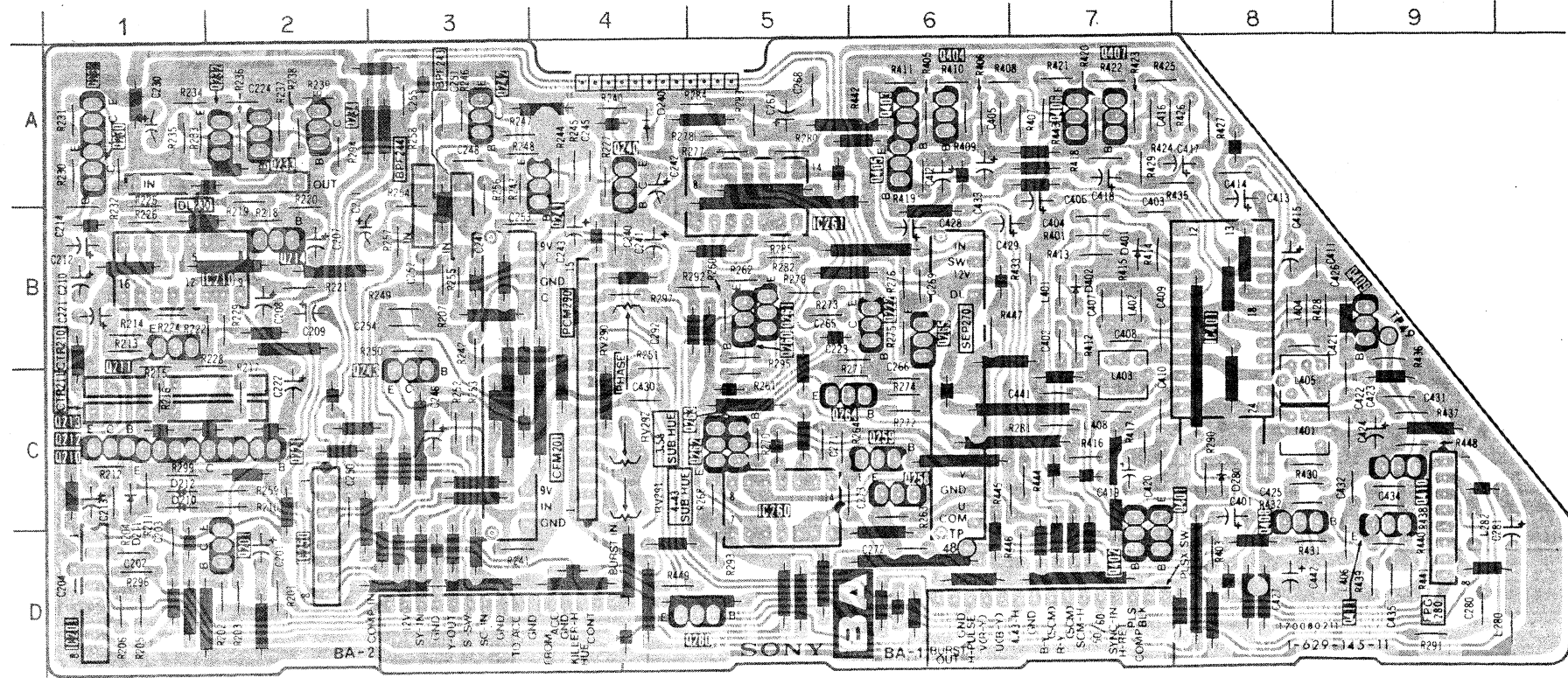


BA [CHROMA FOR 4 SYSTEM]

BB [CHROMA FOR 1 SYSTEM]

J [POWER SW]

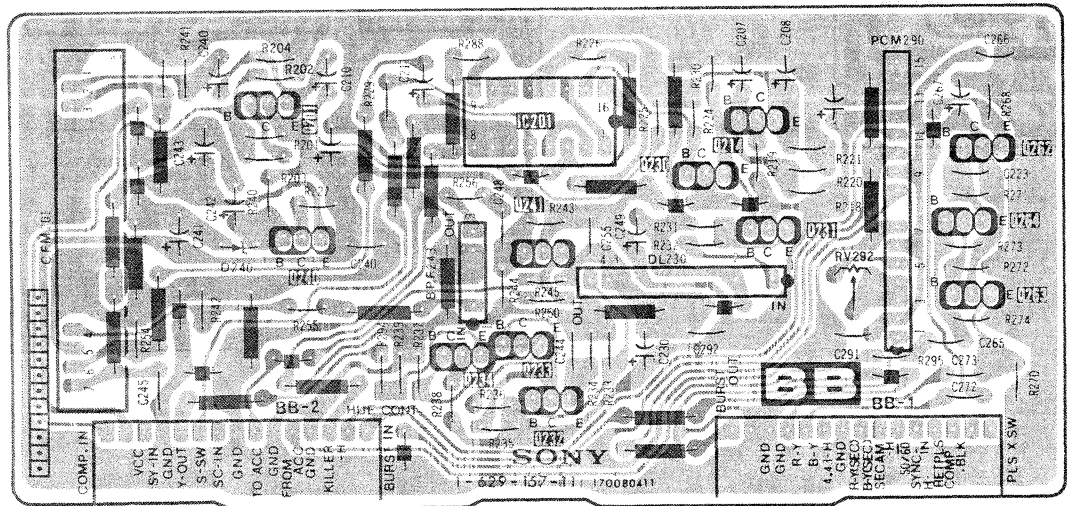
— BA Board — (PVM-1342Q, 1343MD)



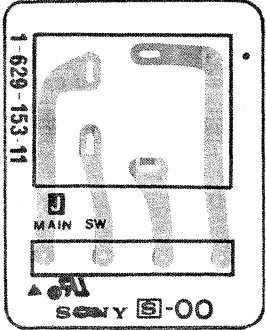
BA Board

IC		DIODE	
IC201	D-1	Q241	A-4
IC210	B-1	Q242	A-3
IC250	D-2	Q243	C-3
IC260	C-5	Q258	C-6
IC261	B-5	Q259	C-6
IC401	B-8	Q260	B-5
TRANSISTOR		Q261	B-5
		Q262	C-5
		Q263	C-5
		Q264	C-5
		Q265	B-6
		Q280	D-5
		Q401	D-7
		Q402	D-7
		Q403	A-6
		Q404	A-6
		Q405	A-6
		Q406	A-7
		Q407	A-7
Q201	D-2	Q408	D-8
Q210	C-1	Q409	B-9
Q211	B-1	Q410	C-9
Q212	C-1	Q411	D-9
Q213	C-1	VARIABLE RESISTOR	
Q214	B-2		
Q221	C-2		
Q222	B-6		
Q230	A-1	RV290	B-4
Q231	A-1	RV291	C-4
Q232	A-2	RV292	C-4
Q233	A-2		
Q234	A-2		

— BB Board — (PVM-1341)



— J Board —



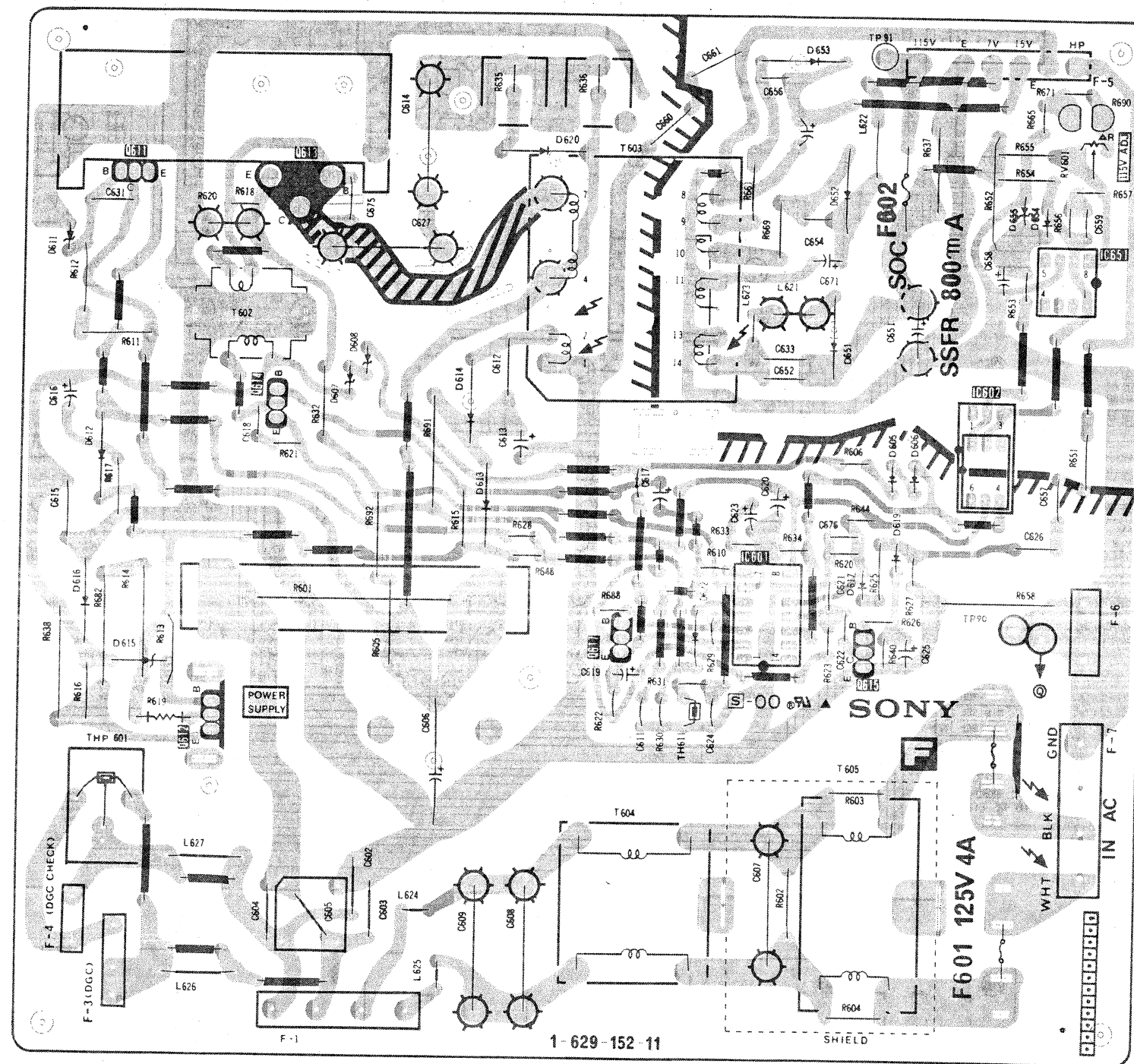
F [POWER]

C [R-G-B OUT]

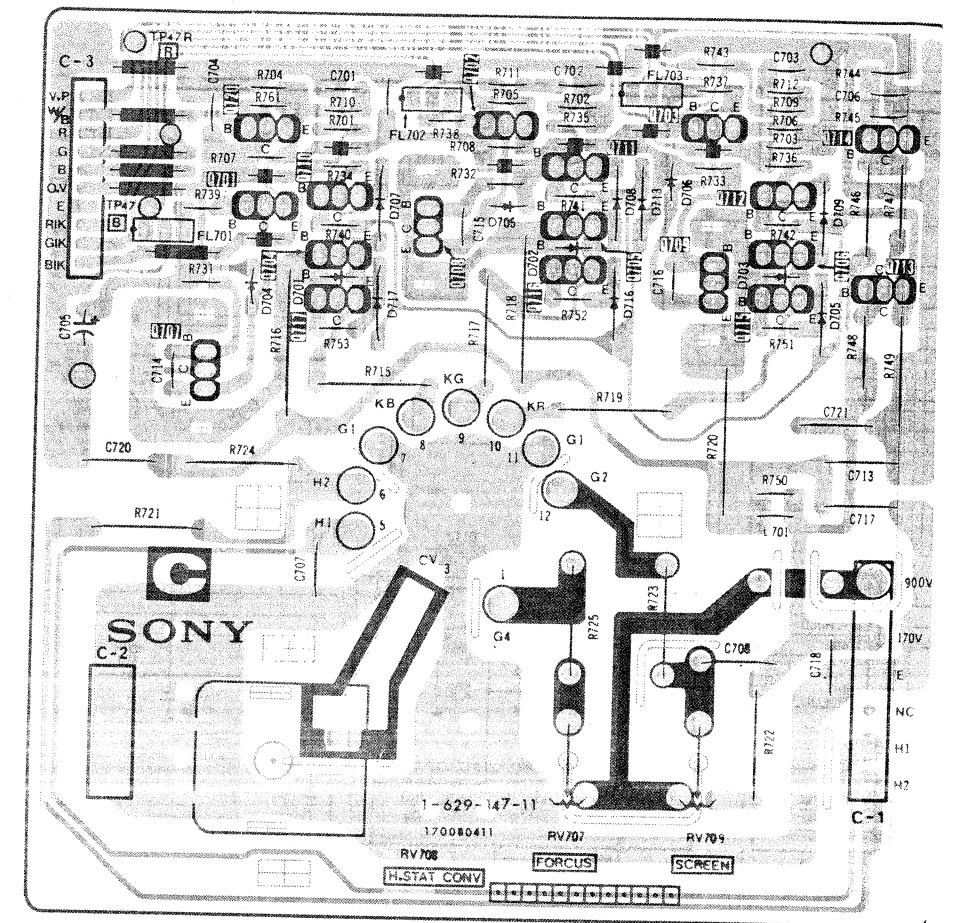
V [WHITE BALANCE]

— F Board —

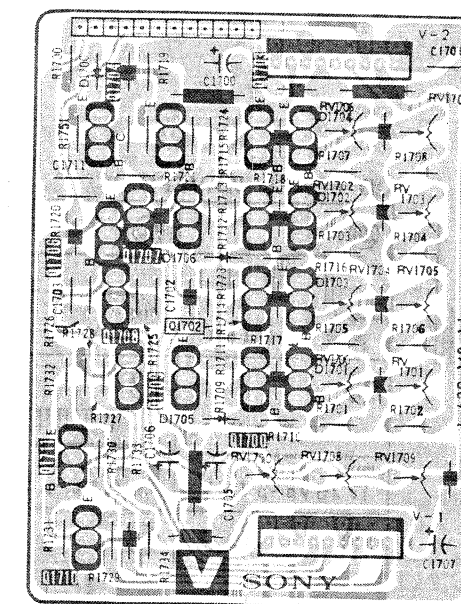
DIODE	
D210	C-1
D211	C-1
D212	C-1
D240	A-4
D280	C-8
D401	B-7
D402	B-7
VARIABLE RESISTOR	
RV290	B-4
RV291	C-4
RV292	C-4



— C Board —



— V Board —

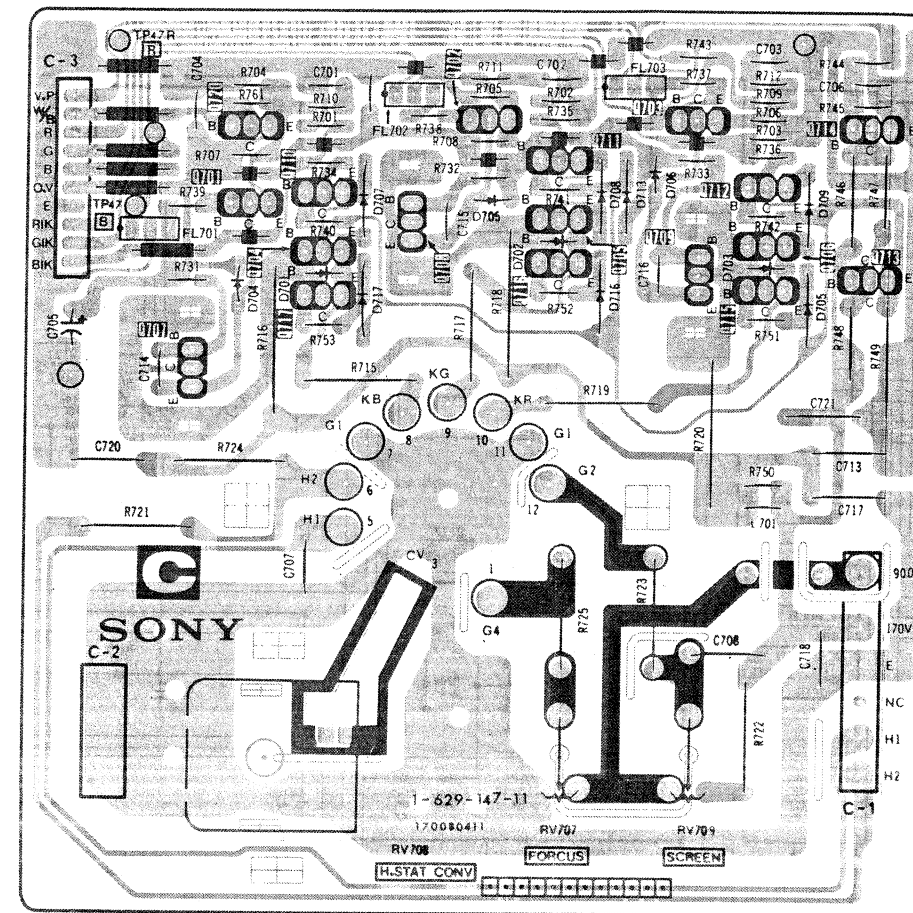
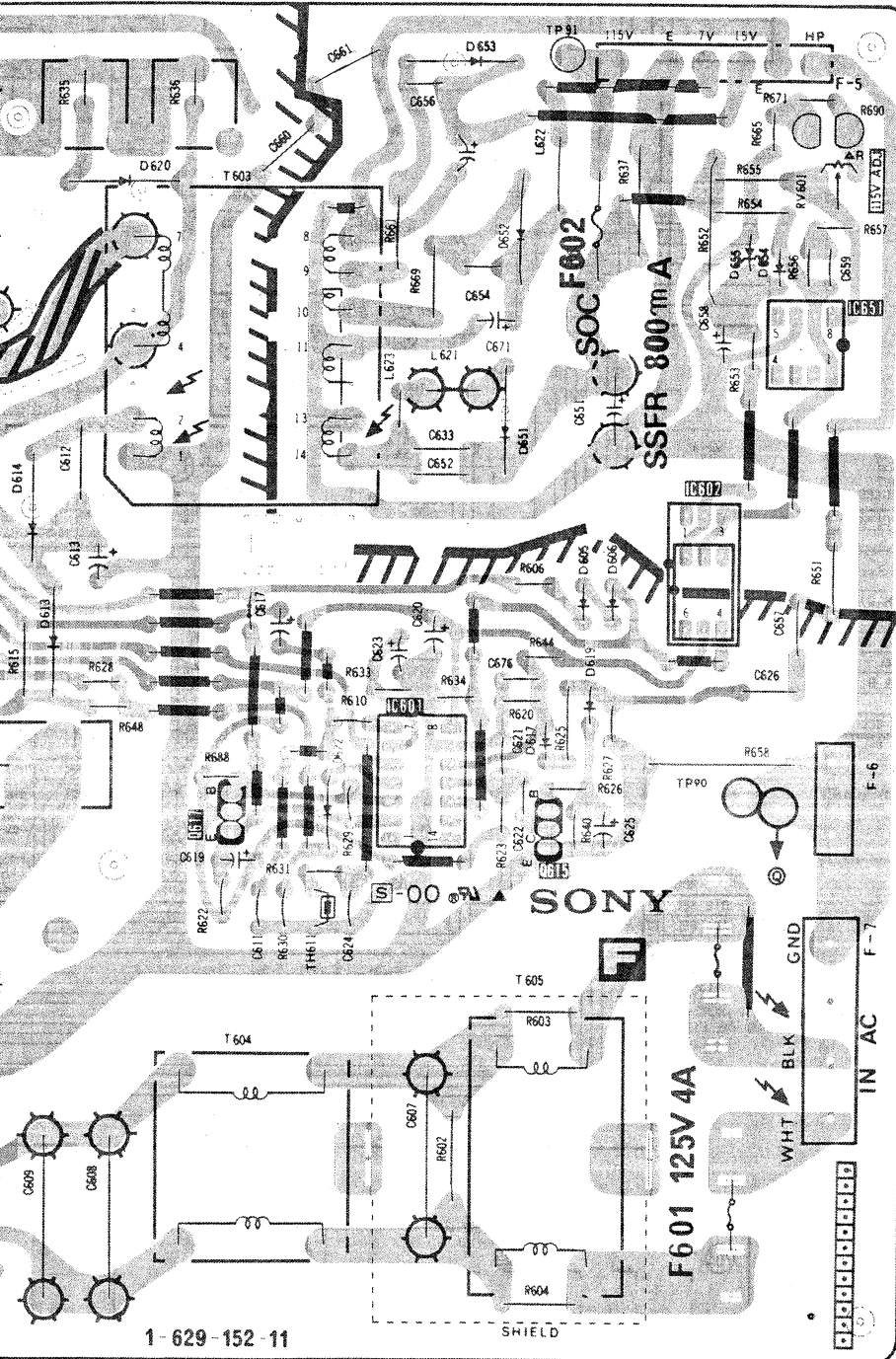


F [POWER]

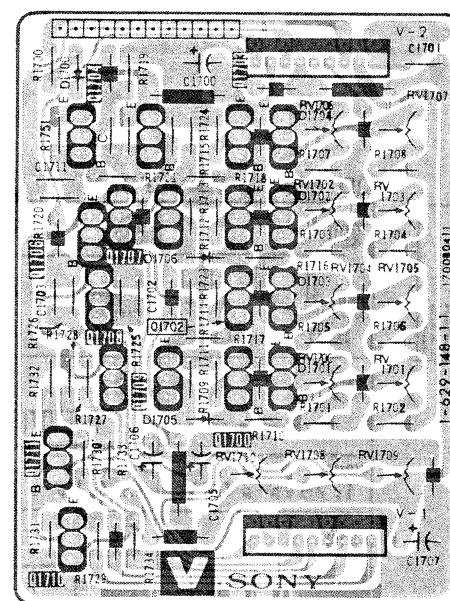
C [R-G-B OUT]

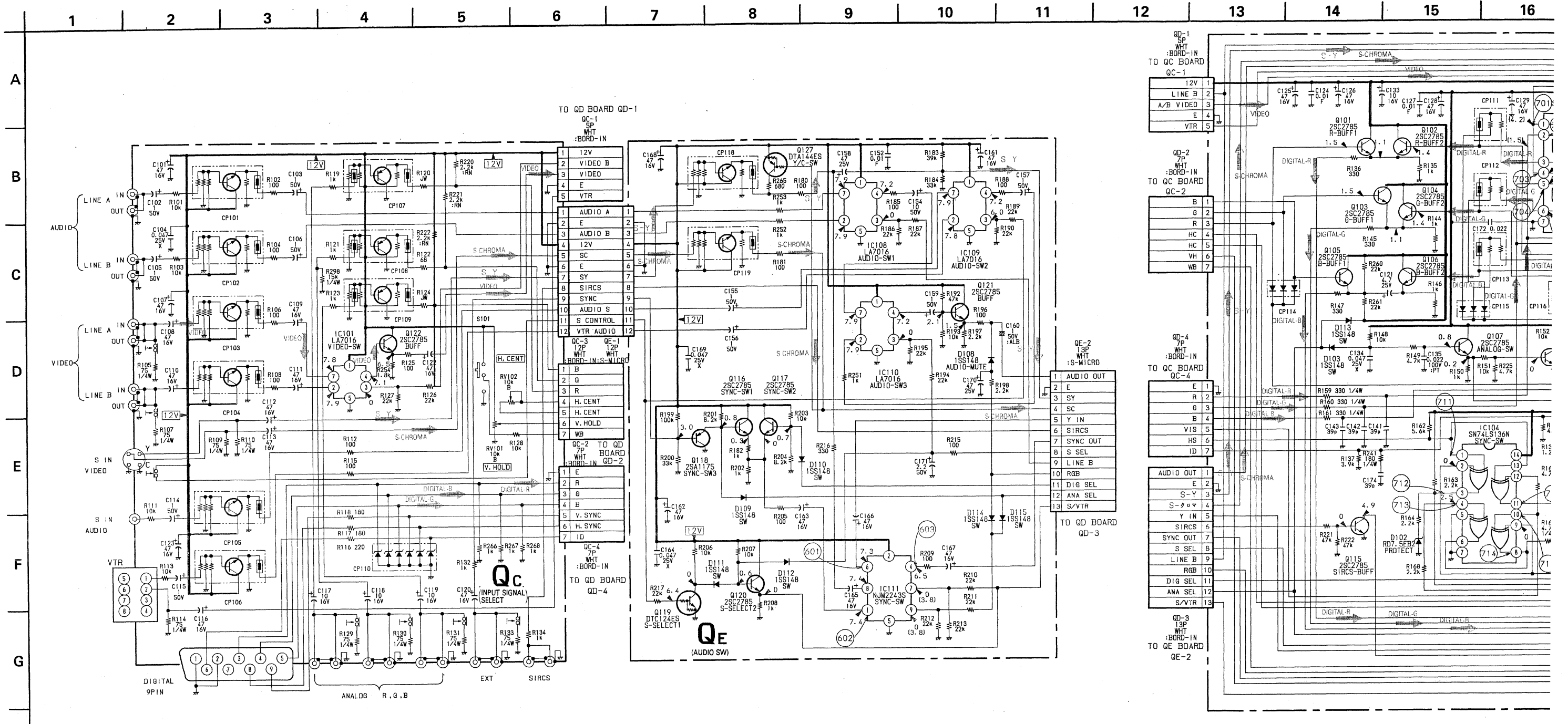
V [WHITE BALANCE]

— C Board —

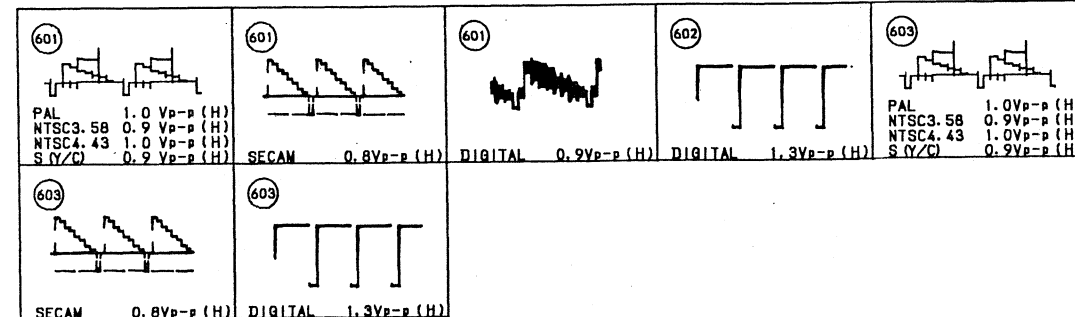


— V Board —

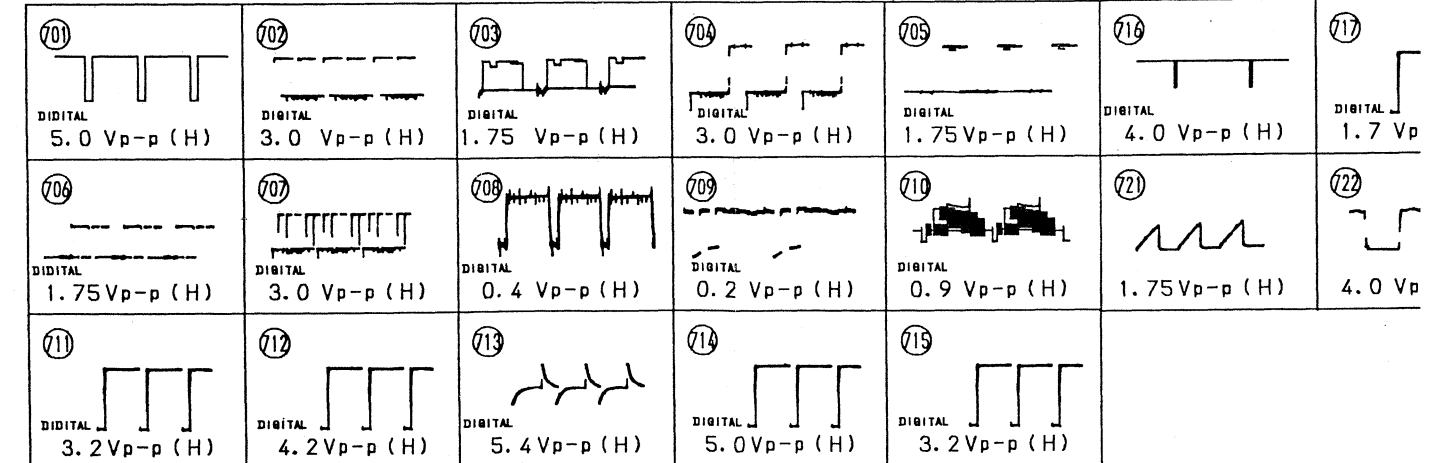


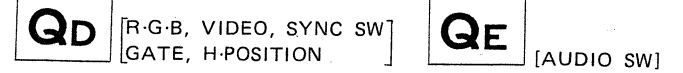
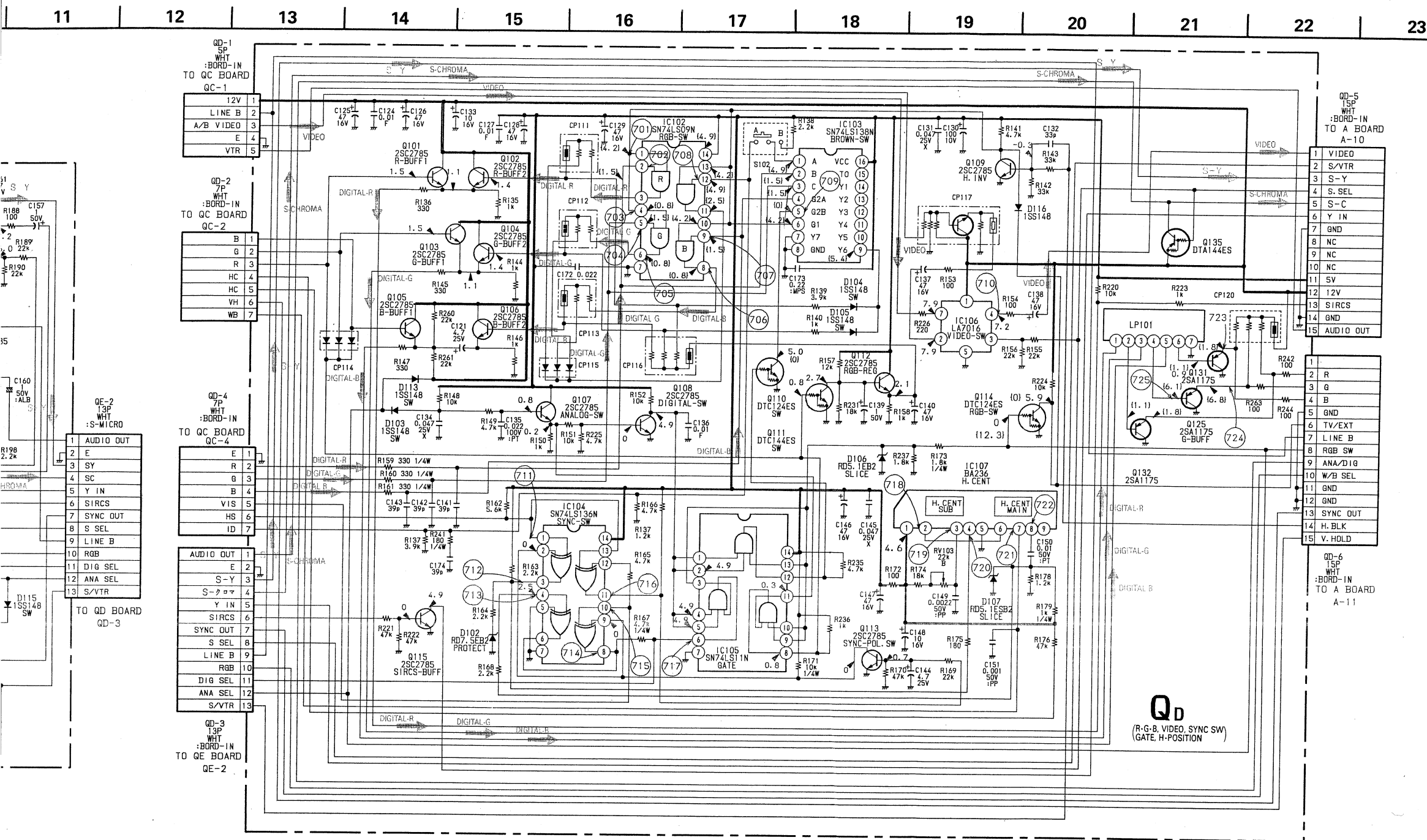


QE BOARD WAVEFORM

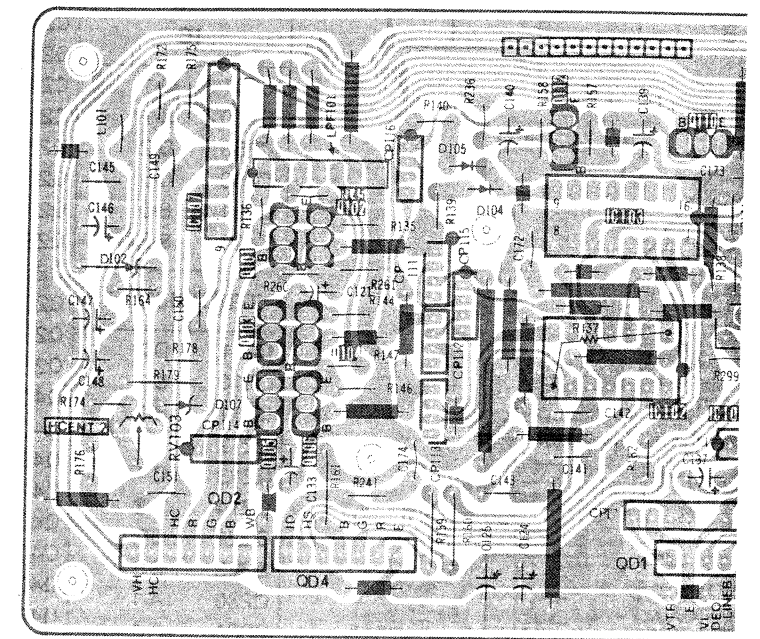


QD BOARD WAVEFORM

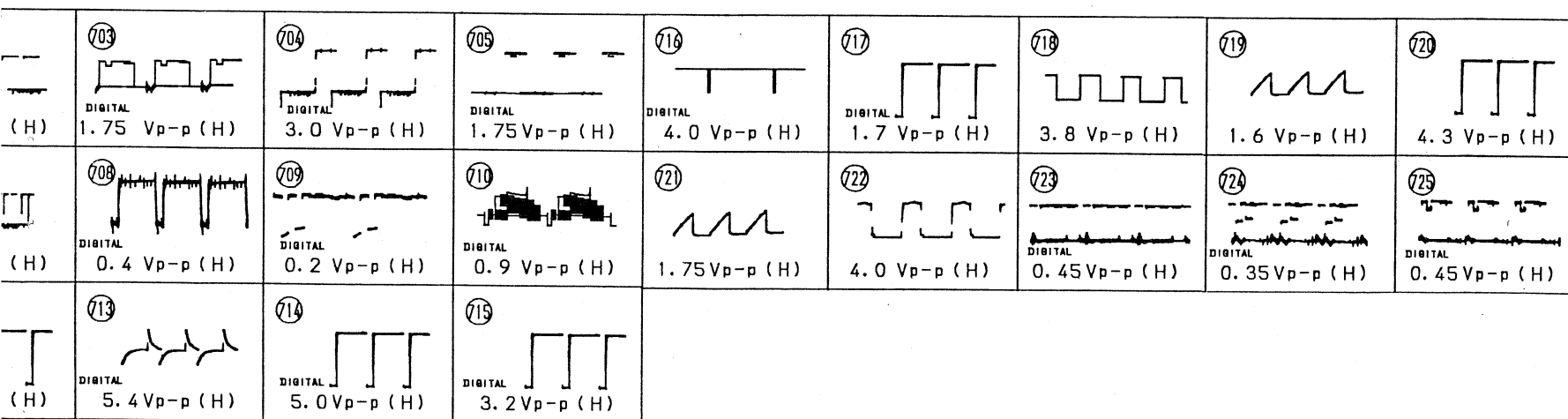
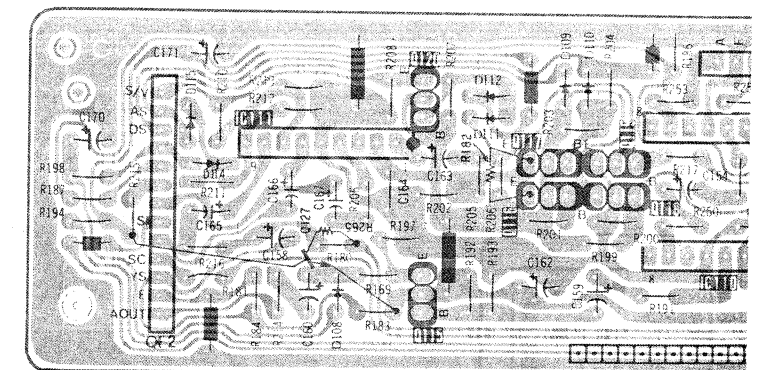




– QD Board –



– QE Board –

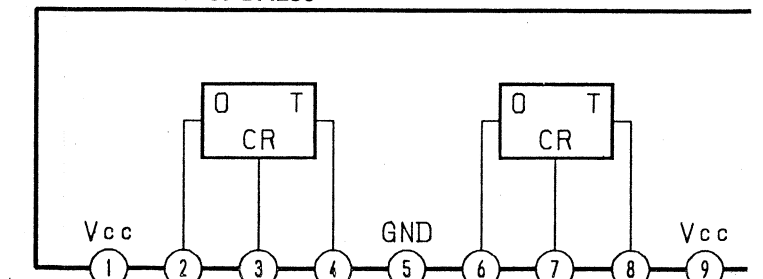


QD BOARD

Q-NO	PAL	SECAM	NTSC 3.58	NTSC 4.43	V-VIDEO	DIGITAL
Q105	E 0.9	0.9	0.9	0.9	0.9	1.1
	B 1.5	1.5	1.5	1.5	1.5	1.8
Q106	E 0.9	0.9	0.9	0.9	0.9	1.1
	B 1.4	1.4	1.4	1.4	1.4	1.6
Q109	E 0.5	0.5	0.5	10.5	0.5	4.2
	B					
Q110	E 0	0	0	0	0	4.3
	B					

IC-NO	FIN	PAL	SECAM	NTSC	NTSC 4.43	VIDEO	DIG
IC104	0	5.0	5.0	5.0	5.0	2.4	3
	0	4.5	6.4	4.5	6.4	3.2	3
	0	0	0	0	0	0	4
	0	0.8	0.8	0.8	0.8	3.2	3
	0	4.1	4.1	4.1	4.1	4.1	3
IC105	0	5.0	5.0	5.0	5.0	3.5	3
	0	4.1	0.5	0.5	0.5	0.5	4
	0	0	0	0	0	0	4
	0	0.5	0.5	0.5	0.5	0.5	4
	0	0	0	0	0	0	4
IC108	0	0	0	0	0	5.8	0
	0	0	0	0	0	0	4
	0	0	0	0	0	0	1
	0	0.2	0.3	0.3	0.3	0.3	0
	0	4.5	4.5	4.5	4.5	4.5	4
IC107	0	4.5	4.5	4.5	4.5	4.5	4
	0	0	0	0	0	0	1
	0	0	0	0	0	0	1
	0	0	0	0	0	0	1
	0	0	0	0	0	0	1

QD BOARD IC107 BA236



QD

R-G-B, VIDEO, SYNC SW
GATE, H-POSITION

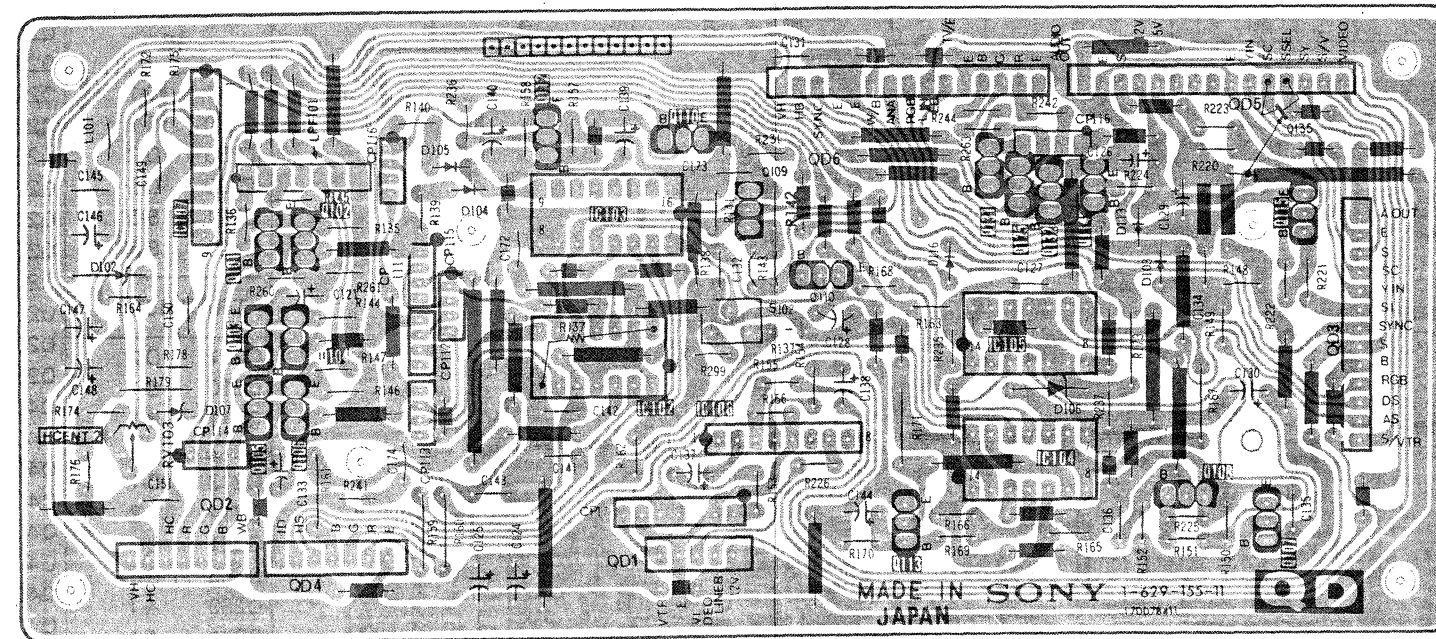
QE

[AUDIO SW]

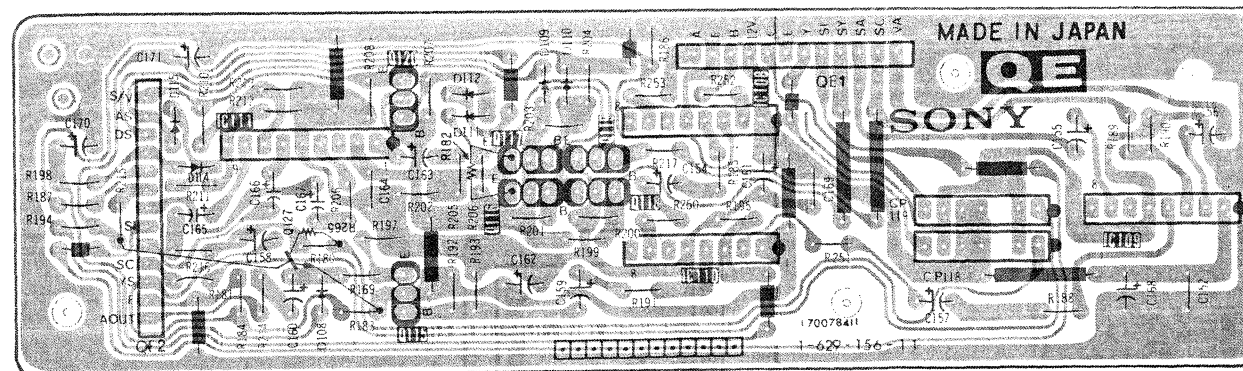
Qc

[INPUT SIGNAL SELECT]

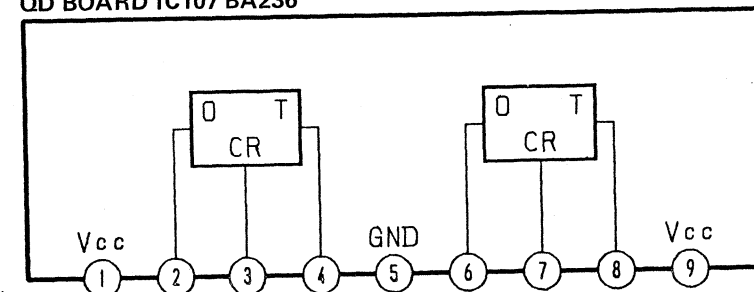
— QD Board —



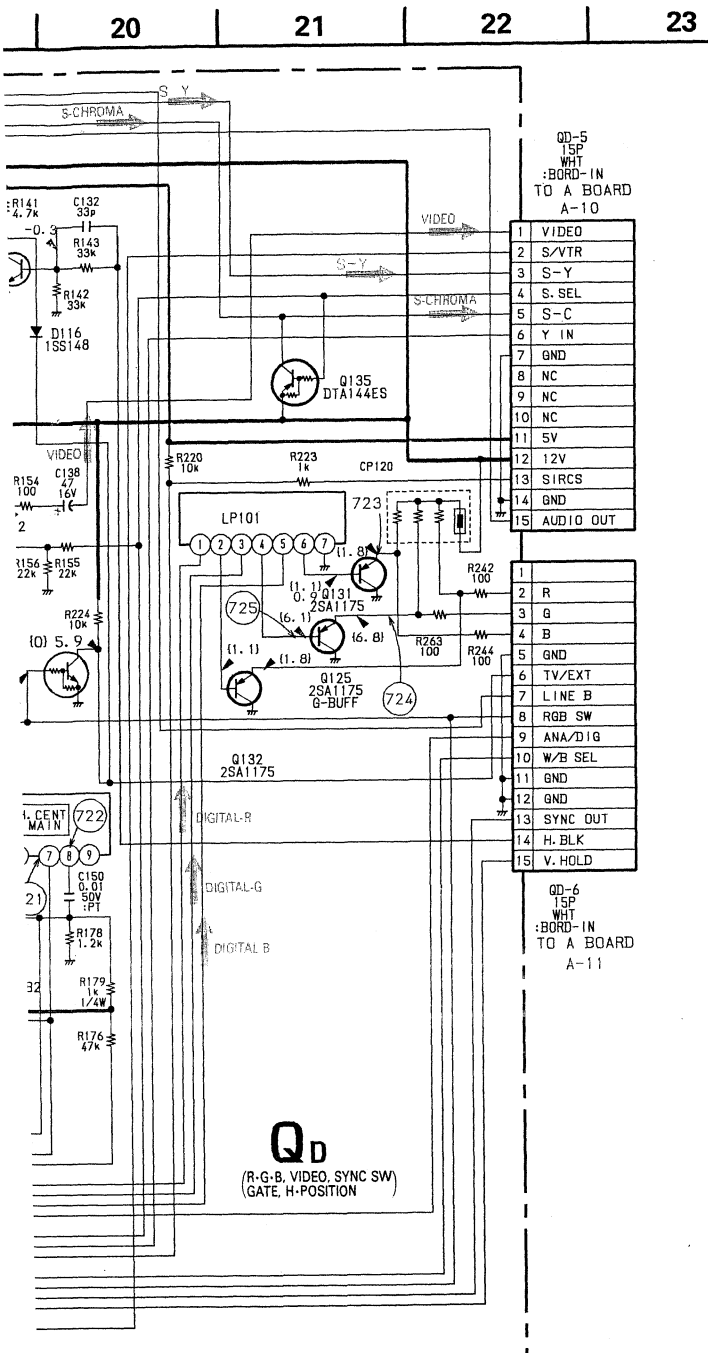
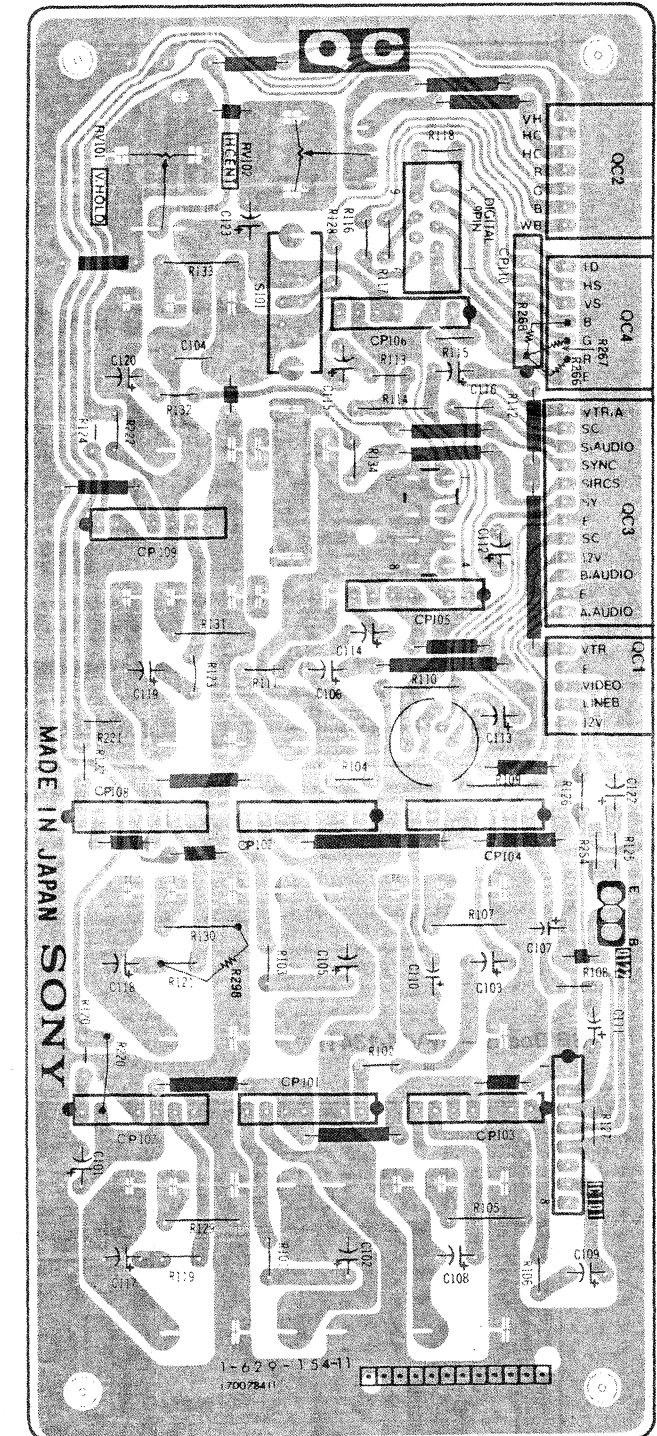
— QE Board —



QD BOARD IC107 BA236



— QC Board —



QD BOARD

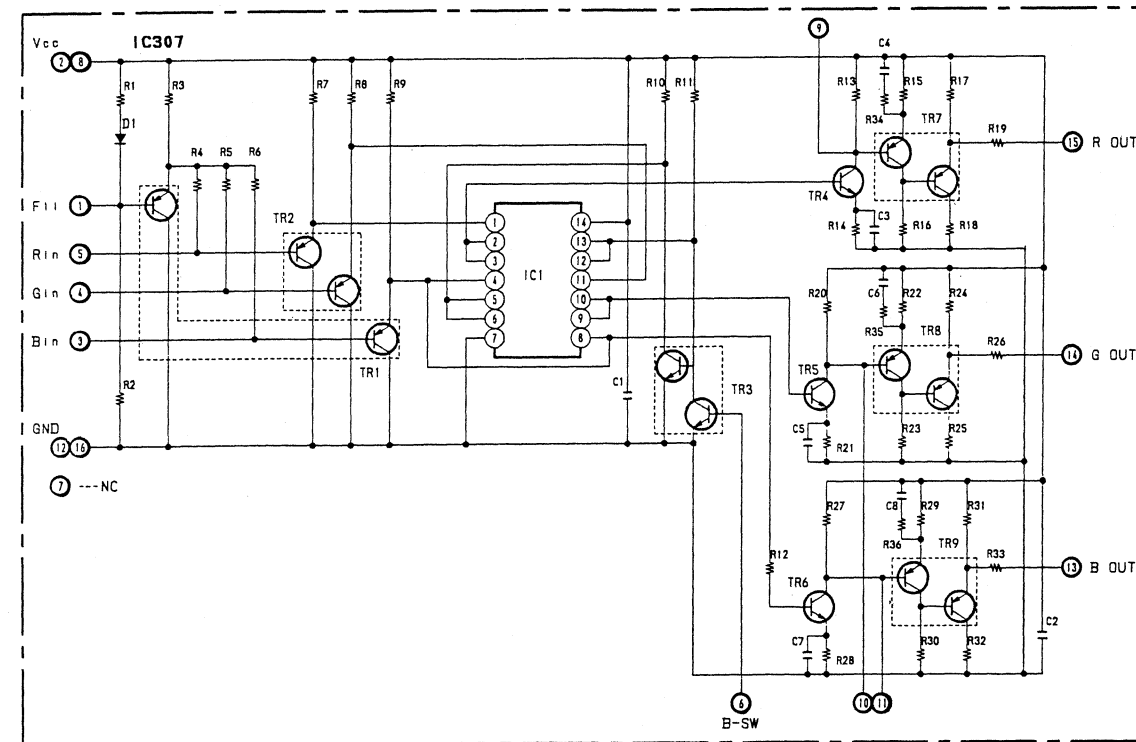
Q-NO	PAL	SECAM	NTSC	NTSC	VIDEO	DIGITAL
Q105	0.9	0.9	0.9	0.9	0.9	1.1
Q106	1.5	1.5	1.5	1.5	1.5	1.8
Q109	0.9	0.9	0.9	0.9	0.9	1.1
Q110	1.4	1.4	1.4	1.4	1.4	1.8
Q111	0.5	0.5	0.5	0.5	0.5	0.5
Q112	0	0	0	0	0	0

IC-NO	PAL	SECAM	NTSC	NTSC	VIDEO	DIGITAL
IC104	0.5	0.5	0.5	0.5	0.5	0.5
IC105	0.5	0.5	0.5	0.5	0.5	0.5
IC106	0.5	0.5	0.5	0.5	0.5	0.5
IC107	0.5	0.5	0.5	0.5	0.5	0.5

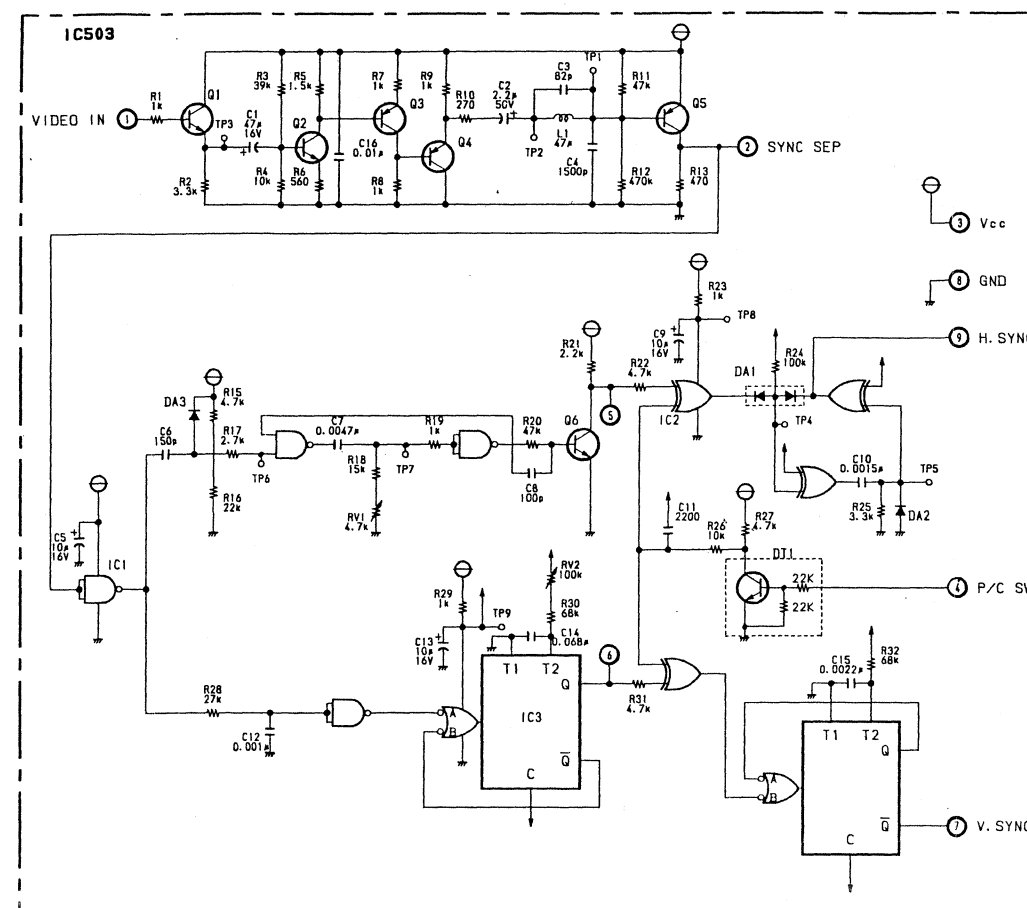
3 Vp-p (H)

5 Vp-p (H)

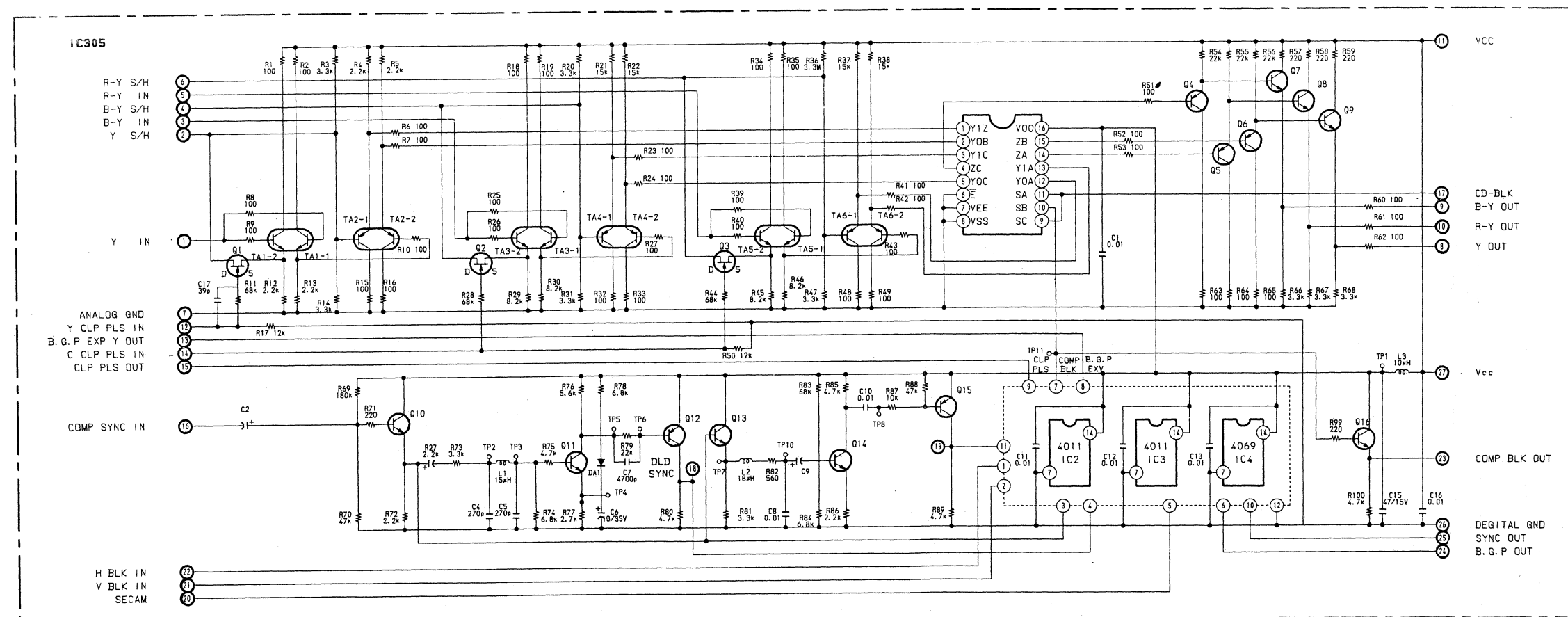
A BOARD IC307



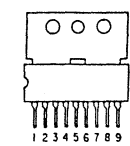
A BOARD IC503



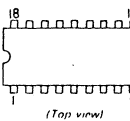
A BOARD IC 305



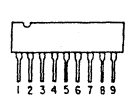
AN5265



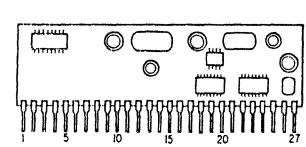
AN5613



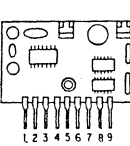
BA236



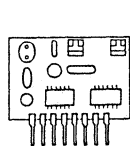
BX-7573



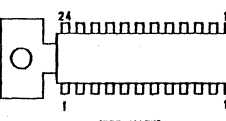
BX-7574



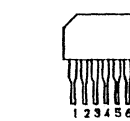
BX-7595



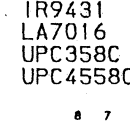
CX-175



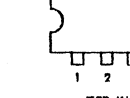
CX20125



CX-23025



IR9431



LA7016



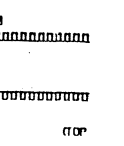
UPC358C



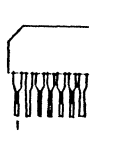
UPC4558C



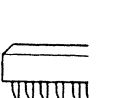
CXA102



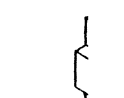
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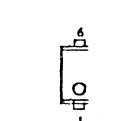
NJM224



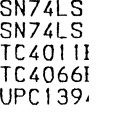
NJM781



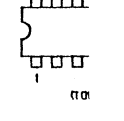
PC111S



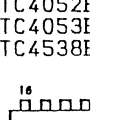
SN74LS



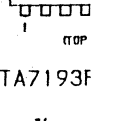
SN74LS



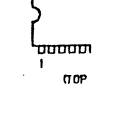
TC4011



TC4053F



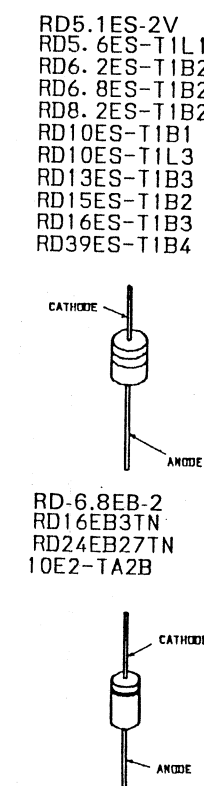
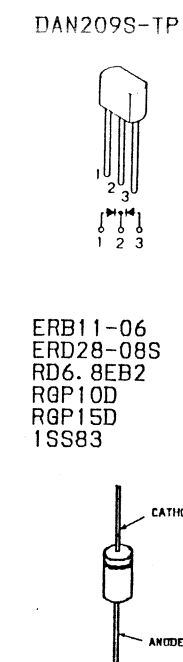
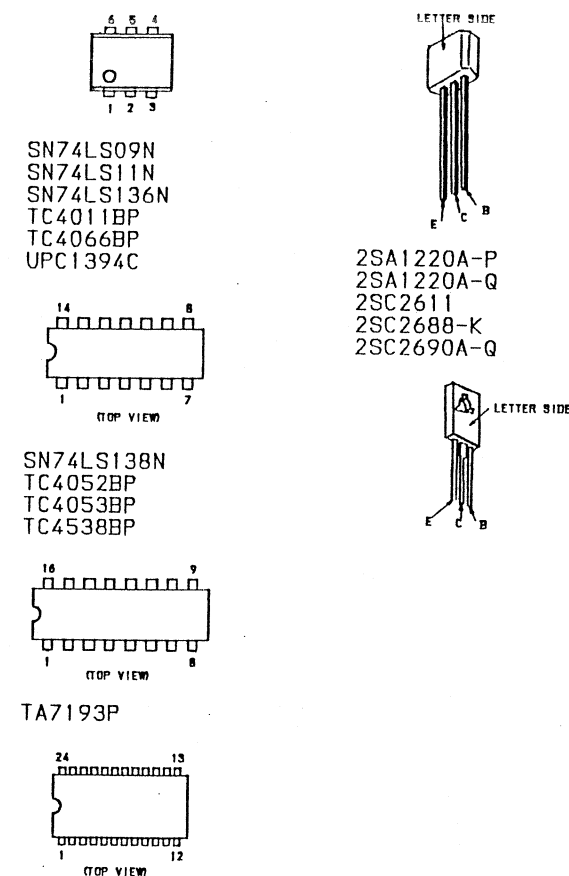
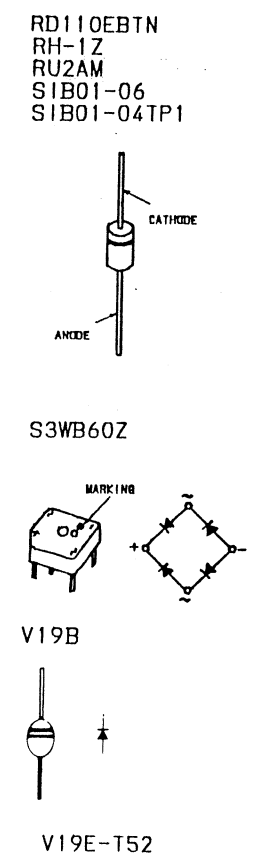
TC4538F



TA7193F



6-6. SEMICONDUCTORS





SECTION 7
EXPLODED VIEWS

MEMO

NOTE:
• Items with no part number and no description are not stocked because they are seldom required for routine service.
• The construction parts of an assembled part are indicated with a collation number in the remark column.

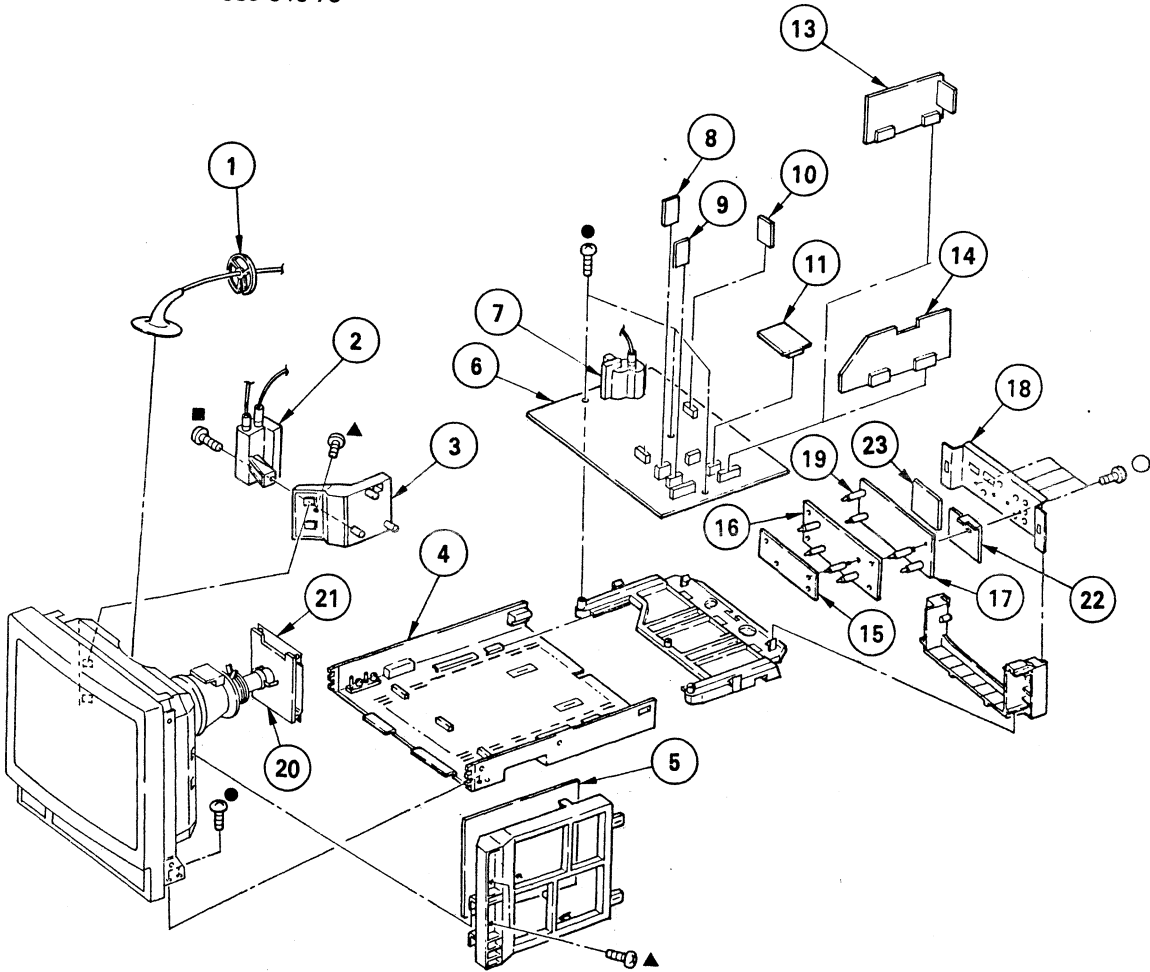
• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-1. CHASSIS

- : BVTP3 x 12 7-685-648-79
- : BVTP4 x 16 7-685-663-79
- ▲ : BVTT4 x 8 7-682-561-04
- : BVTP3 x 8 7-685-646-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*3-704-372-01	HOLDER, HV CABLE		11	*1-629-148-11	V BOARD	
2	A-1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE		13	*A-1130-734-A	BB BOARD, COMPLETE (PVM-1341 ONLY)	
3	*4-391-842-01	BRACKET, HVR		14	*A-1135-532-A	BA BOARD, COMPLETE	10, 11, 20
4	X-4391-805-1	CABINET ASSY, BOTTOM				(PVM-1342Q/1343MD ONLY)	
5	*A-1245-446-A	F BOARD, COMPLETE (PVM-1341/1342Q ONLY)		15	*A-1270-249-A	QE BOARD, COMPLETE	
	*A-1245-455-A	F BOARD, COMPLETE (PVM-1343MD ONLY)		16	*A-1270-248-A	QD BOARD, COMPLETE	
6	*A-1296-520-A	A BOARD, COMPLETE	8, 9	17	*A-1270-247-A	QC BOARD, COMPLETE	
7	A-1-439-395-12	TRANSFORMER ASSY, FLYBACK		18	4-391-843-12	PLATE, TERMINAL	
8	*1-629-149-11	W BOARD		19	*3-682-419-01	HOLDER, P.C.B	
9	*1-629-151-11	XA BOARD		20	*A-1330-913-A	C BOARD, COMPLETE	
10	*1-629-150-11	Y BOARD (PVM-1342Q/1343MD ONLY)		21	*4-391-835-01	PLATE (C) SHIELD	
				22	1-537-191-11	TERMINAL BOARD, INPUT/OUTPUT (R)	
				23	1-537-192-11	TERMINAL BOARD, INPUT/OUTPUT (L)	

SECTION 7

EXPLODED VIEWS

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

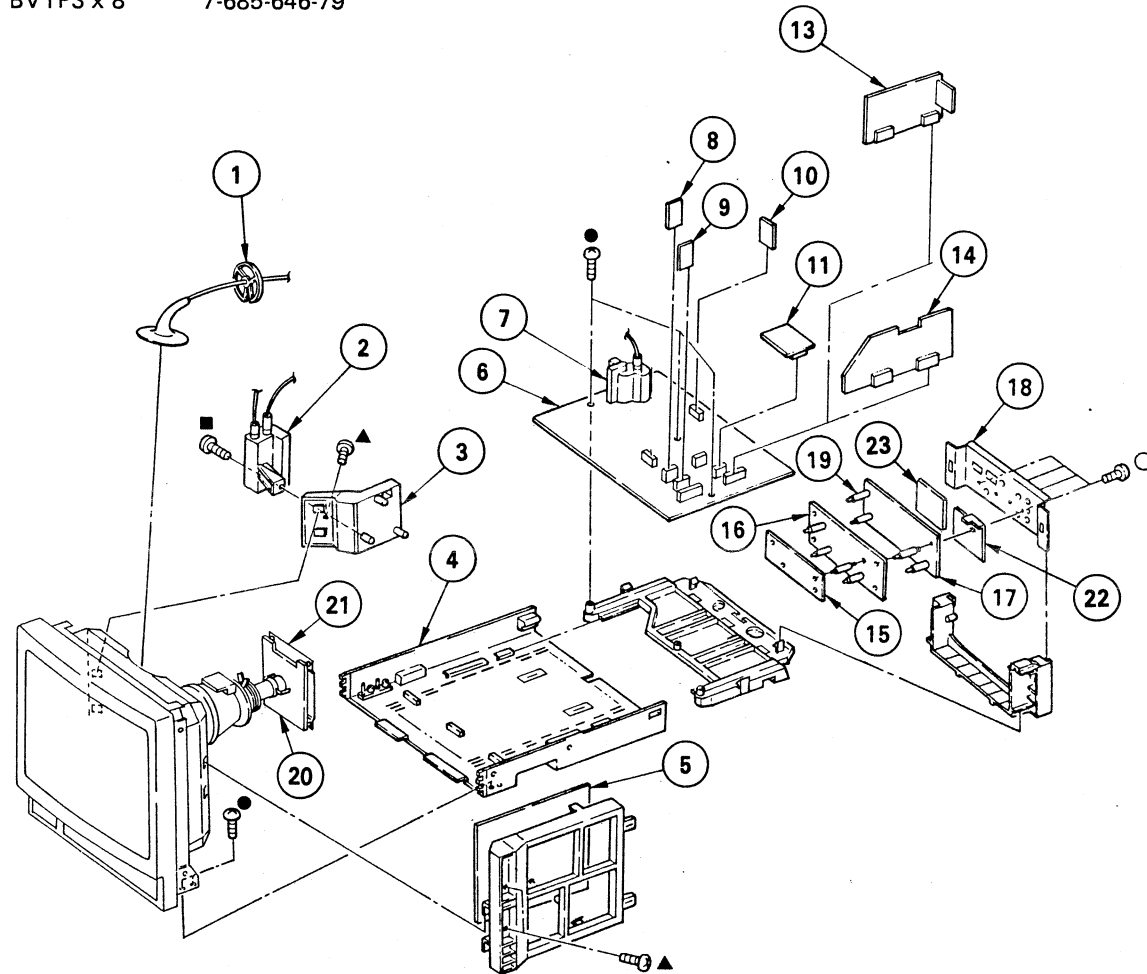
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-1. CHASSIS

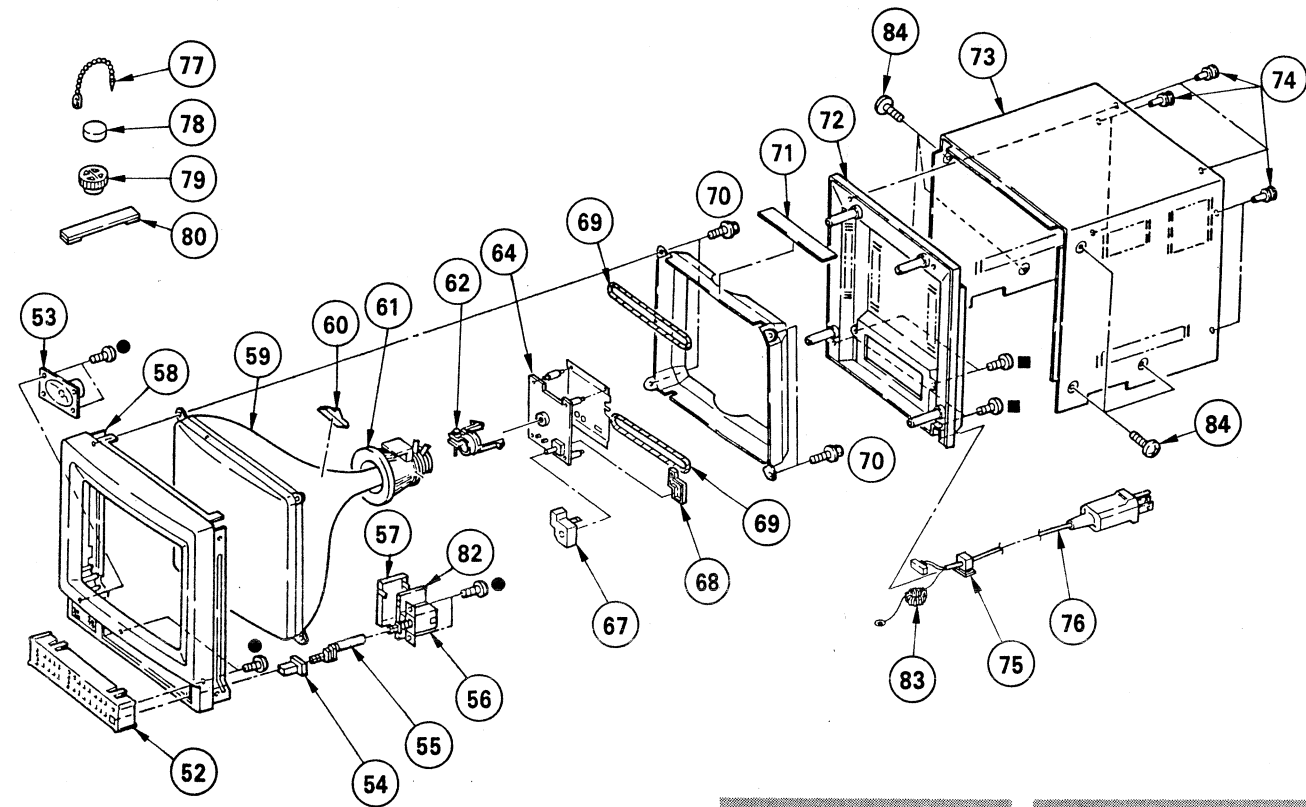
- : BVTP3 x 12 7-685-648-79
- : BVTP4 x 16 7-685-663-79
- ▲: BVTT4 x 8 7-682-561-04
- : BVTP3 x 8 7-685-646-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*3-704-372-01	HOLDER, HV CABLE		11	*1-629-148-11	V BOARD	
2	▲ 1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE		13	*A-1130-734-A	BB BOARD, COMPLETE (PVM-1341 ONLY)	
3	*4-391-842-01	BRACKET, HVR		14	*A-1135-532-A	BA BOARD, COMPLETE	10, 11, 20
4	X-4391-805-1	CABINET ASSY, BOTTOM				(PVM-1342Q/1343MD ONLY)	
5	*A-1245-446-A	F BOARD, COMPLETE (PVM-1341/1342Q ONLY)		15	*A-1270-249-A	QE BOARD, COMPLETE	
	*A-1245-455-A	F BOARD, COMPLETE (PVM-1343MD ONLY)		16	*A-1270-248-A	QD BOARD, COMPLETE	
6	*A-1296-520-A	A BOARD, COMPLETE	8, 9	17	*A-1270-247-A	QC BOARD, COMPLETE	
7	▲ 1-439-395-12	TRANSFORMER ASSY, FLYBACK		18	4-391-843-12	PLATE, TERMINAL	
8	*1-629-149-11	W BOARD		19	*3-682-419-01	HOLDER, P.C.B	
9	*1-629-151-11	XA BOARD		20	*A-1330-913-A	C BOARD, COMPLETE	
10	*1-629-150-11	Y BOARD (PVM-1342Q/1343MD ONLY)		21	*4-391-835-01	PLATE (C) SHIELD	
				22	1-537-191-11	TERMINAL BOARD, INPUT/OUTPUT (R)	
				23	1-537-192-11	TERMINAL BOARD, INPUT/OUTPUT (L)	

7-2. PICTURE TUBE

- : BVTP3 x 12 7-685-648-79
- : BVTP4 x 16 7-685-663-79



Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.


The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.


No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
52	1-466-076-11	CONTROL UNIT (PVM-1342Q ONLY)		67	*4-374-912-01	COVER (MAIN), CV VOL	
	1-466-076-21	CONTROL UNIT (PVM-1343MD ONLY)		68	*4-374-913-01	COVER (REAR LID), CV VOL	
	1-466-077-11	CONTROL UNIT (PVM-1341 ONLY)		69	▲ 1-426-375-11	COIL, DEMAGNETIZATION	
53	1-544-063-11	SPEAKER		70	4-365-808-01	SCREW (5), TAPPING	
54	4-374-839-11	BUTTON (A)		71	4-391-833-01	CLOTH, PROTECTION	
55	4-391-824-01	JOINT		72	4-391-839-01	COVER, REAR	
56	▲ 1-554-967-12	SWITCH, PUSH (AC POWER) (1 KEY)		73	X-4391-810-1	COVER ASSY, TOP (PVM-1341/1342Q ONLY)	
57	*4-391-820-01	COVER, AC SWITCH			X-4391-810-2	COVER ASSY, TOP (PVM-1343MD ONLY)	
58	X-4391-804-1	BEZEL ASSY (PVM-1342Q ONLY)		74	4-391-825-01	RIVET, NYLON	
	X-4391-804-2	BEZEL ASSY (PVM-1341 ONLY)		75	*4-364-726-01	BUSHING, AC CORD (PVM-1343MD ONLY)	
	X-4391-804-3	BEZEL ASSY (PVM-1343MD ONLY)			*4-371-185-02	BUSHING, AC CORD (PVM-1341/1342Q ONLY)	
59	▲ 8-734-822-05	PICTURE TUBE (M34KBE20X)		76	▲ 1-574-443-11	CORD, POWER (WITH NOISE FILTER)	
		(PVM-1342Q/1343MD ONLY)				(PVM-1341/1342Q ONLY)	
	▲ 8-736-255-05	PICTURE TUBE (A34JHS12X) (PVM-1341 ONLY)		▲ 1-574-445-11	CORD, POWER (MEDICAL INSTRUMENT)		(PVM-1343MD ONLY)
60	3-703-961-01	SPACER, DY		77	4-308-870-00	CLIP, LEAD WIRE	
61	▲ 1-451-329-11	DEFLECTION YOKE (SY-222)		78	1-452-032-00	MAGNET, DISK; 10MM ϕ	
62	*4-382-050-01	BAND, C PC BOARD		79	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
64	*A-1330-913-A	C BOARD, COMPLETE		80	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
				82	*1-629-153-11	J BOARD	
				83	1-543-604-11	CORE, RING	
				84	4-847-802-11	SCREW (OS), CASE, CLAW	

SECTION 8

ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark  are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable


When indicating parts by reference number, please include the board name.

CAPACITORS

• MF : μF , PF : $\mu\mu F$

COILS


• MMH : mH, UH : μ H

- The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Ref.No.	Part No.	Description	Remark				Ref.No.	Part No.	Description	Remark			
*A-1135-532-A BA BOARD, COMPLETE						C280	1-108-624-11	MYLAR	0.0068MF	10%	100V		
*****						C281	1-124-478-11	ELECT	100MF	20%	25V		
(PVM-1342Q/1343MD ONLY)						C292	1-101-004-00	CERAMIC	0.01MF		50V		
						C401	1-123-875-11	ELECT	10MF	20%	50V		
						C402	1-101-888-00	CERAMIC	68PF	5%	50V		
<u>CONNECTOR</u>													
BA1	*1-565-491-11	CONNECTOR, BOARD TO BOARD 15P				C403	1-102-116-00	CERAMIC	680PF	10%	50V		
BA2	*1-565-491-11	CONNECTOR, BOARD TO BOARD 15P				C404	1-136-161-00	FILM	0.047MF	5%	50V		
						C405	1-102-074-00	CERAMIC	0.001MF	10%	50V		
						C406	1-124-477-11	ELECT	47MF	20%	25V		
<u>FILTER</u>						C407	1-101-890-00	CERAMIC	75PF	5%	50V		
BPF243	1-236-363-11	FILTER, BAND PASS				C408	1-102-722-91	CERAMIC	27PF	5%	50V		
BPF244	1-236-364-11	FILTER, BAND PASS				C409	1-136-165-00	FILM	0.1MF	5%	50V		
						C410	1-136-165-00	FILM	0.1MF	5%	50V		
						C411	1-136-165-00	FILM	0.1MF	5%	50V		
<u>CAPACITOR</u>						C412	1-102-129-00	CERAMIC	0.01MF	10%	50V		
C201	1-124-120-11	ELECT	220MF	20%	25V	C413	1-124-499-11	ELECT	1MF	20%	50V		
C202	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C414	1-136-173-00	FILM	0.47MF	5%	50V		
C203	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C415	1-123-875-11	ELECT	10MF	20%	50V		
C207	1-124-477-11	ELECT	47MF	20%	25V	C416	1-102-118-00	CERAMIC	0.0012MF	10%	50V		
C208	1-124-477-11	ELECT	47MF	20%	25V	C417	1-124-477-11	ELECT	47MF	20%	25V		
C209	1-124-477-11	ELECT	47MF	20%	25V	C418	1-124-499-11	ELECT	1MF	20%	50V		
C210	1-124-477-11	ELECT	47MF	20%	25V	C419	1-124-478-11	ELECT	100MF	20%	25V		
C211	1-124-477-11	ELECT	47MF	20%	25V	C420	1-136-165-00	FILM	0.1MF	5%	50V		
C212	1-124-477-11	ELECT	47MF	20%	25V	C421	1-102-722-91	CERAMIC	27PF	5%	50V		
C213	1-124-477-11	ELECT	47MF	20%	25V	C422	1-136-165-00	FILM	0.1MF	5%	50V		
C214	1-101-004-00	CERAMIC	0.01MF		50V	C423	1-123-875-11	ELECT	10MF	20%	50V		
C221	1-124-902-00	ELECT	0.47MF	20%	50V	C424	1-136-165-00	FILM	0.1MF	5%	50V		
C222	1-124-464-11	ELECT	0.22MF	20%	50V	C425	1-101-361-00	CERAMIC	150PF	5%	50V		
C223	1-102-959-00	CERAMIC	22PF	5%	50V	C426	1-101-890-00	CERAMIC	75PF	5%	50V		
C224	1-101-888-00	CERAMIC	68PF	5%	50V	C427	1-124-120-11	ELECT	220MF	20%	25V		
C230	1-124-120-11	ELECT	220MF	20%	25V	C428	1-124-477-11	ELECT	47MF	20%	25V		
C240	1-101-004-00	CERAMIC	0.01MF		50V	C429	1-124-477-11	ELECT	47MF	20%	25V		
C241	1-124-120-11	ELECT	220MF	20%	25V	C430	1-101-004-00	CERAMIC	0.01MF		50V		
C242	1-124-478-11	ELECT	100MF	20%	25V	C431	1-101-884-00	CERAMIC	56PF	5%	50V		
C243	1-124-120-11	ELECT	220MF	20%	25V	C432	1-101-004-00	CERAMIC	0.01MF		50V		
C245	1-101-004-00	CERAMIC	0.01MF		50V	C433	1-124-478-11	ELECT	100MF	20%	25V		
C246	1-123-875-11	ELECT	10MF	20%	50V	C434	1-101-884-00	CERAMIC	56PF	5%	50V		
C247	1-101-004-00	CERAMIC	0.01MF		50V	C435	1-101-884-00	CERAMIC	56PF	5%	50V		
C248	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C441	1-102-959-00	CERAMIC	22PF	5%	50V		
C250	1-161-021-11	CERAMIC	0.047MF	10%	25V	C442	1-161-021-11	CERAMIC	0.047MF	10%	25V		
C251	1-102-125-00	CERAMIC	0.0047MF	10%	50V	<u>FILTER BLOCK</u>							
C252	1-102-125-00	CERAMIC	0.0047MF	10%	50V	CFM201	1-464-880-11	FILTER BLOCK, COM (CFB-2)					
C253	1-102-125-00	CERAMIC	0.0047MF	10%	50V								
C254	1-102-125-00	CERAMIC	0.0047MF	10%	50V								
C255	1-101-004-00	CERAMIC	0.01MF		50V								
C265	1-102-978-00	CERAMIC	220PF	5%	50V	<u>MODULE</u>							
C266	1-101-003-00	CERAMIC	0.0047MF		50V	CTR210	1-236-366-11	MODULE, TRAP					
C267	1-124-478-11	ELECT	100MF	20%	25V	CTR211	1-236-365-11	MODULE, TRAP					
C268	1-101-003-00	CERAMIC	0.0047MF		50V								
C269	1-102-978-00	CERAMIC	220PF	5%	50V								
C271	1-101-004-00	CERAMIC	0.01MF		50V	<u>DIODE</u>							
C272	1-101-002-00	CERAMIC	0.0022MF		50V	D210	8-719-911-19	DIODE 1SS119					
C273	1-101-002-00	CERAMIC	0.0022MF		50V								

BA

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
D211	8-719-911-19	DIODE 1SS119		Q280	8-729-900-89	TRANSISTOR DTC144ES	
D212	8-719-911-19	DIODE 1SS119		Q401	8-729-178-54	TRANSISTOR 2SC2785	
D240	8-719-110-16	DIODE RD10ES-B1		Q402	8-729-178-54	TRANSISTOR 2SC2785	
D280	8-719-911-19	DIODE 1SS119		Q403	8-729-178-54	TRANSISTOR 2SC2785	
D401	8-719-911-19	DIODE 1SS119		Q404	8-729-178-54	TRANSISTOR 2SC2785	
D402	8-719-911-19	DIODE 1SS119		Q405	8-729-900-63	TRANSISTOR DTA124ES	
DELAY LINE				Q406	8-729-178-54	TRANSISTOR 2SC2785	
DL230	1-415-632-11	DELAY LINE, Y		Q407	8-729-178-54	TRANSISTOR 2SC2785	
IC				Q408	8-729-178-54	TRANSISTOR 2SC2785	
FPG280	8-749-920-73	IC BX7595		Q409	8-729-178-54	TRANSISTOR 2SC2785	
IC201	8-759-800-81	IC LA7016		Q410	8-729-178-54	TRANSISTOR 2SC2785	
IC210	8-759-240-53	IC TC4053BP		Q411	8-729-117-54	TRANSISTOR 2SA1175	
IC250	8-759-800-81	IC LA7016		RESISTOR			
IC260	8-759-208-14	IC TC4066BPHB		JW95	1-249-411-11	CARBON 330 5%	1/4W
IC261	8-759-208-14	IC TC4066BPHB		R201	1-249-435-11	CARBON 33K 5%	1/4W
IC401	8-751-750-00	IC CX175		R202	1-249-435-11	CARBON 33K 5%	1/4W
COIL				R203	1-249-405-11	CARBON 100 5%	1/4W
L280	1-410-509-11	INDUCTOR 10UH		R204	1-249-421-11	CARBON 2.2K 5%	1/4W
L282	1-410-470-11	INDUCTOR 10UH		R205	1-249-433-11	CARBON 22K 5%	1/4W
L401	1-410-087-31	INDUCTOR 10MMH		R206	1-249-432-11	CARBON 18K 5%	1/4W
L402	1-408-411-00	INDUCTOR 15UH		R207	1-249-409-11	CARBON 220 5%	1/4W
L403	1-404-496-00	COIL		R210	1-249-437-11	CARBON 47K 5%	1/4W
L404	1-408-411-00	INDUCTOR 15UH		R211	1-249-437-11	CARBON 47K 5%	1/4W
L405	1-404-496-00	COIL		R212	1-249-437-11	CARBON 47K 5%	1/4W
L406	1-410-470-11	INDUCTOR 10UH		R213	1-249-429-11	CARBON 10K 5%	1/4W
L408	1-410-336-11	INDUCTOR 220UH		R214	1-249-433-11	CARBON 22K 5%	1/4W
MODULE				R215	1-249-437-11	CARBON 47K 5%	1/4W
PCM290	1-808-628-11	MODULE, PHASE PHM-1		R216	1-249-429-11	CARBON 10K 5%	1/4W
TRANSISTOR				R217	1-249-429-11	CARBON 10K 5%	1/4W
Q201	8-729-178-54	TRANSISTOR 2SC2785		R218	1-249-425-11	CARBON 4.7K 5%	1/4W
Q210	8-729-178-54	TRANSISTOR 2SC2785		R219	1-249-405-11	CARBON 100 5%	1/4W
Q211	8-729-117-54	TRANSISTOR 2SA1175		R220	1-249-428-11	CARBON 8.2K 5%	1/4W
Q212	8-729-900-89	TRANSISTOR DTC144ES		R221	1-249-423-11	CARBON 3.3K 5%	1/4W
Q213	8-729-900-89	TRANSISTOR DTC144ES		R222	1-249-439-11	CARBON 68K 5%	1/4W
Q214	8-729-178-54	TRANSISTOR 2SC2785		R224	1-249-439-11	CARBON 68K 5%	1/4W
Q221	8-729-900-89	TRANSISTOR DTC144ES		R225	1-249-439-11	CARBON 68K 5%	1/4W
Q222	8-729-900-63	TRANSISTOR DTA124ES		R226	1-249-439-11	CARBON 68K 5%	1/4W
Q230	8-729-178-54	TRANSISTOR 2SC2785		R227	1-249-386-11	CARBON 2.7 5%	1/4W F
Q231	8-729-178-54	TRANSISTOR 2SC2785		R228	1-249-433-11	CARBON 22K 5%	1/4W
Q232	8-729-178-54	TRANSISTOR 2SC2785		R229	1-249-433-11	CARBON 22K 5%	1/4W
Q233	8-729-117-54	TRANSISTOR 2SA1175		R230	1-249-429-11	CARBON 10K 5%	1/4W
Q234	8-729-178-54	TRANSISTOR 2SC2785		R231	1-249-422-11	CARBON 2.7K 5%	1/4W
Q240	8-729-177-42	TRANSISTOR 2SD774-3		R232	1-249-415-11	CARBON 680 5%	1/4W
Q241	8-729-178-54	TRANSISTOR 2SC2785		R233	1-249-415-11	CARBON 680 5%	1/4W
Q242	8-729-178-54	TRANSISTOR 2SC2785		R234	1-249-411-11	CARBON 330 5%	1/4W
Q243	8-729-178-54	TRANSISTOR 2SC2785		R235	1-249-416-11	CARBON 820 5%	1/4W
Q258	8-729-178-54	TRANSISTOR 2SC2785		R236	1-249-411-11	CARBON 330 5%	1/4W
Q259	8-729-178-54	TRANSISTOR 2SC2785		R237	1-249-411-11	CARBON 330 5%	1/4W
Q260	8-729-900-89	TRANSISTOR DTC144ES		R238	1-249-405-11	CARBON 100 5%	1/4W
Q261	8-729-178-54	TRANSISTOR 2SC2785		R239	1-249-417-11	CARBON 1K 5%	1/4W
Q262	8-729-178-54	TRANSISTOR 2SC2785		R240	1-249-407-11	CARBON 150 5%	1/4W
Q263	8-729-178-54	TRANSISTOR 2SC2785		R241	1-247-895-00	CARBON 470K 5%	1/4W
Q264	8-729-117-54	TRANSISTOR 2SA1175		R242	1-249-421-11	CARBON 2.2K 5%	1/4W
Q265	8-729-178-54	TRANSISTOR 2SC2785		R243	1-249-435-11	CARBON 33K 5%	1/4W
				R244	1-249-435-11	CARBON 33K 5%	1/4W
				R245	1-249-422-11	CARBON 2.7K 5%	1/4W
				R246	1-249-435-11	CARBON 33K 5%	1/4W
				R247	1-249-435-11	CARBON 33K 5%	1/4W
				R248	1-249-422-11	CARBON 2.7K 5%	1/4W
				R249	1-249-432-11	CARBON 18K 5%	1/4W
				R250	1-249-405-11	CARBON 100 5%	1/4W
				R251	1-249-433-11	CARBON 22K 5%	1/4W
				R252	1-249-421-11	CARBON 2.2K 5%	1/4W

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

C

-69-

VM-1341/1342Q/1343MD

C

V

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>DIODE</u>							
D701	8-719-911-19	DIODE 1SS119		R725	1-202-719-00	SOLID 1M 10% 1/2W	
D702	8-719-911-19	DIODE 1SS119		R731	1-249-409-11	CARBON 220 5% 1/4W	
D703	8-719-911-19	DIODE 1SS119		R732	1-249-409-11	CARBON 220 5% 1/4W	
D704	8-719-911-19	DIODE 1SS119		R733	1-249-409-11	CARBON 220 5% 1/4W	
D705	8-719-911-19	DIODE 1SS119		R734	1-249-409-11	CARBON 220 5% 1/4W	F
D706	8-719-911-19	DIODE 1SS119		R735	1-249-409-11	CARBON 220 5% 1/4W	F
D707	8-719-901-83	DIODE 1SS83		R736	1-249-409-11	CARBON 220 5% 1/4W	F
D708	8-719-901-83	DIODE 1SS83		R737	1-249-405-11	CARBON 100 5% 1/4W	
D709	8-719-901-83	DIODE 1SS83		R738	1-249-405-11	CARBON 100 5% 1/4W	
D713	8-719-901-83	DIODE 1SS83		R739	1-249-405-11	CARBON 100 5% 1/4W	
D715	8-719-901-83	DIODE 1SS83		R740	1-249-429-11	CARBON 10K 5% 1/4W	F
D716	8-719-901-83	DIODE 1SS83		R741	1-249-429-11	CARBON 10K 5% 1/4W	F
D717	8-719-901-83	DIODE 1SS83		R742	1-249-429-11	CARBON 10K 5% 1/4W	F
<u>ENCAPSULATED COMPONENT</u>				R743	1-249-441-11	CARBON 100K 5% 1/4W	
FL701	1-236-058-11	ENCAPSULATED COMPONENT		R744	1-249-429-11	CARBON 10K 5% 1/4W	
FL702	1-236-058-11	ENCAPSULATED COMPONENT		R745	1-249-429-11	CARBON 10K 5% 1/4W	
FL703	1-236-058-11	ENCAPSULATED COMPONENT		R746	1-215-879-51	METAL OXIDE 47K 5% 1W	F
<u>TRANSISTOR</u>				R747	1-247-725-11	CARBON 10K 5% 1/4W	F
Q701	8-729-178-54	TRANSISTOR 2SC2785		R748	1-247-713-11	CARBON 1K 5% 1/4W	F
Q702	8-729-178-54	TRANSISTOR 2SC2785		R749	1-215-902-11	METAL OXIDE 47K 5% 2W	F
Q703	8-729-178-54	TRANSISTOR 2SC2785		R750	1-249-400-11	CARBON 39 5% 1/4W	F
Q704	8-729-200-17	TRANSISTOR 2SA1091		R751	1-247-887-00	CARBON 220K 5% 1/4W	
Q705	8-729-200-17	TRANSISTOR 2SA1091		R752	1-247-887-00	CARBON 220K 5% 1/4W	
Q706	8-729-200-17	TRANSISTOR 2SA1091		R753	1-247-887-00	CARBON 220K 5% 1/4W	
Q707	8-729-326-11	TRANSISTOR 2SC2611		<u>VARIABLE RESISTOR</u>			
Q708	8-729-326-11	TRANSISTOR 2SC2611		RV707	1-230-641-21	RES, ADJ, METAL GLAZE 2.2M	
Q709	8-729-326-11	TRANSISTOR 2SC2611		RV708A	1-230-798-11	RES, ADJ, METAL GLAZE 90M	
Q710	8-729-200-17	TRANSISTOR 2SA1091		RV709	1-230-641-21	RES, ADJ, METAL GLAZE 2.2M	
Q711	8-729-200-17	TRANSISTOR 2SA1091		*****			
Q712	8-729-200-17	TRANSISTOR 2SA1091		*1-629-148-11	V BOARD		
Q713	8-729-255-12	TRANSISTOR 2SC2551			*****		
Q714	8-729-255-12	TRANSISTOR 2SC2551		<u>CAPACITOR</u>			
Q715	8-729-255-12	TRANSISTOR 2SC2551		C1700	1-124-120-11	ELECT 220MF 20% 25V	
Q716	8-729-255-12	TRANSISTOR 2SC2551		C1701	1-101-004-00	CERAMIC 0.01MF 50V	
Q717	8-729-255-12	TRANSISTOR 2SC2551		C1702	1-102-978-00	CERAMIC 220PF 5% 50V	
<u>RESISTOR</u>				C1703	1-102-978-00	CERAMIC 220PF 5% 50V	
R702	1-215-480-00	METAL 300K 1% 1/6W		C1705	1-124-499-11	ELECT 1MF 20% 50V	
R704	1-215-408-00	METAL 300 1% 1/6W		C1706	1-124-499-11	ELECT 1MF 20% 50V	
R705	1-249-410-11	CARBON 270 5% 1/4W		C1707	1-124-120-11	ELECT 220MF 20% 25V	
R706	1-249-410-11	CARBON 270 5% 1/4W		C1710	1-101-884-00	CERAMIC 56PF 5% 50V	
R707	1-249-420-11	CARBON 1.8K 5% 1/4W		C1711	1-101-884-00	CERAMIC 56PF 5% 50V	
R708	1-249-419-11	CARBON 1.5K 5% 1/4W		<u>DIODE</u>			
R709	1-249-420-11	CARBON 1.8K 5% 1/4W		D1700	8-719-911-19	DIODE 1SS119	
R710	1-249-397-11	CARBON 22 5% 1/4W		D1701	8-719-936-56	DIODE DAN209S	
R711	1-249-397-11	CARBON 22 5% 1/4W		D1702	8-719-936-56	DIODE DAN209S	
R712	1-249-397-11	CARBON 22 5% 1/4W		D1703	8-719-936-56	DIODE DAN209S	
R715	1-202-818-00	SOLID 1K 10% 1/2W		D1704	8-719-936-56	DIODE DAN209S	
R716	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F	D1705	8-719-933-28	DIODE DAP209S	
R717	1-202-818-00	SOLID 1K 10% 1/2W		D1706	8-719-933-28	DIODE DAP209S	
R718	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F	D1707	8-719-911-19	DIODE 1SS119	
R719	1-202-818-00	SOLID 1K 10% 1/2W		D1708	8-719-911-19	DIODE 1SS119	
R720	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F	<u>TRANSISTOR</u>			
R721	1-216-372-11	METAL OXIDE 1.8 5% 2W	F	Q1700	8-729-178-54	TRANSISTOR 2SC2785	
R722	1-202-848-00	SOLID 680K 10% 1/2W		Q1701	8-729-178-54	TRANSISTOR 2SC2785	
R723	1-202-838-00	SOLID 100K 10% 1/2W		Q1702	8-729-178-54	TRANSISTOR 2SC2785	
R724	1-202-842-11	SOLID 220K 10% 1/2W		Q1703	8-729-178-54	TRANSISTOR 2SC2785	
				Q1704	8-729-178-54	TRANSISTOR 2SC2785	



Ref.No.	Part No.	Description	Remark
Q1705	8-729-178-54	TRANSISTOR 2SC2785	
Q1706	8-729-900-89	TRANSISTOR DTC144ES	
Q1707	8-729-900-89	TRANSISTOR DTC144ES	
Q1708	8-729-115-30	TRANSISTOR 2SK105A-30	
Q1709	8-729-115-30	TRANSISTOR 2SK105A-30	
Q1710	8-729-178-54	TRANSISTOR 2SC2785	
Q1711	8-729-178-54	TRANSISTOR 2SC2785	
<u>RESISTOR</u>			
R1700	1-249-426-11	CARBON 5.6K 5% 1/4W	
R1701	1-249-413-11	CARBON 470 5% 1/4W	
R1702	1-249-413-11	CARBON 470 5% 1/4W	
R1703	1-249-413-11	CARBON 470 5% 1/4W	
R1704	1-249-413-11	CARBON 470 5% 1/4W	
R1705	1-247-885-00	CARBON 180K 5% 1/4W	
R1706	1-249-437-11	CARBON 47K 5% 1/4W	
R1707	1-247-883-00	CARBON 150K 5% 1/4W	
R1708	1-249-437-11	CARBON 47K 5% 1/4W	
R1709	1-249-429-11	CARBON 10K 5% 1/4W	
R1710	1-249-438-11	CARBON 56K 5% 1/4W	
R1711	1-249-429-11	CARBON 10K 5% 1/4W	
R1712	1-249-429-11	CARBON 10K 5% 1/4W	
R1713	1-249-429-11	CARBON 10K 5% 1/4W	
R1714	1-249-429-11	CARBON 10K 5% 1/4W	
R1715	1-249-429-11	CARBON 10K 5% 1/4W	
R1716	1-249-438-11	CARBON 56K 5% 1/4W	
R1717	1-249-429-11	CARBON 10K 5% 1/4W	
R1718	1-249-429-11	CARBON 10K 5% 1/4W	
R1719	1-249-417-11	CARBON 1K 5% 1/4W	
R1720	1-249-429-11	CARBON 10K 5% 1/4W	
R1721	1-249-429-11	CARBON 10K 5% 1/4W	
R1722	1-249-429-11	CARBON 10K 5% 1/4W	
R1723	1-249-429-11	CARBON 10K 5% 1/4W	
R1724	1-249-429-11	CARBON 10K 5% 1/4W	
R1725	1-247-891-00	CARBON 330K 5% 1/4W	
R1726	1-247-891-00	CARBON 330K 5% 1/4W	
R1727	1-249-437-11	CARBON 47K 5% 1/4W	
R1728	1-249-437-11	CARBON 47K 5% 1/4W	
R1729	1-249-405-11	CARBON 100 5% 1/4W	
R1730	1-249-405-11	CARBON 100 5% 1/4W	
R1731	1-249-417-11	CARBON 1K 5% 1/4W	
R1732	1-249-417-11	CARBON 1K 5% 1/4W	
R1733	1-249-409-11	CARBON 220 5% 1/4W	
R1734	1-249-409-11	CARBON 220 5% 1/4W	
R1750	1-249-423-11	CARBON 3.3K 5% 1/4W	
<u>VARIABLE RESISTOR</u>			
RV1700	1-228-995-00	RES, ADJ, CARBON 22K	
RV1701	1-228-995-00	RES, ADJ, CARBON 22K	
RV1702	1-228-995-00	RES, ADJ, CARBON 22K	
RV1703	1-228-995-00	RES, ADJ, CARBON 22K	
RV1704	1-230-682-21	RES, ADJ, CARBON 1M	
RV1705	1-228-999-00	RES, ADJ, CARBON 470K	
RV1706	1-228-999-00	RES, ADJ, CARBON 470K	
RV1707	1-230-682-21	RES, ADJ, CARBON 1M	
RV1708	1-228-995-00	RES, ADJ, CARBON 22K	
RV1709	1-228-995-00	RES, ADJ, CARBON 22K	
RV1710	1-228-995-00	RES, ADJ, CARBON 22K	
<u>CONNECTOR</u>			
V1	*1-563-720-11	SOCKET, CONNECTOR (PC BOARD)9P	

Ref.No.	Part No.	Description	Remark
V2	*1-563-720-11	SOCKET, CONNECTOR (PC BOARD)9P	

	*1-629-150-11	Y BOARD (PVM-1342Q/1343MD ONLY)	

<u>CAPACITOR</u>			
C1500	1-124-499-11	ELECT 1MF 20% 50V	
C1501	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
<u>IC</u>			
IC1500	8-759-909-70	IC CX23025	
<u>TRANSISTOR</u>			
Q1500	8-729-178-54	TRANSISTOR 2SC2785	
Q1501	8-729-178-54	TRANSISTOR 2SC2785	
Q1502	8-729-900-63	TRANSISTOR DTA124ES	
<u>RESISTOR</u>			
R1500	1-249-437-11	CARBON 47K 5% 1/4W	
R1501	1-249-437-11	CARBON 47K 5% 1/4W	
R1502	1-249-437-11	CARBON 47K 5% 1/4W	F
R1503	1-249-429-11	CARBON 10K 5% 1/4W	
R1504	1-249-437-11	CARBON 47K 5% 1/4W	
R1505	1-249-437-11	CARBON 47K 5% 1/4W	
<u>CONNECTOR</u>			
Y1	*1-565-481-11	CONNECTOR, BOARD TO BOARD 5P	

	*A-1130-734-A	BB BOARD, COMPLETE (PVM-1341 ONLY)	

<u>CONNECTOR</u>			
BB1	*1-565-491-11	CONNECTOR, BOARD TO BOARD 15P	
BB2	*1-565-491-11	CONNECTOR, BOARD TO BOARD 15P	
<u>FILTER</u>			
BPF243	1-236-363-11	FILTER, BAND PASS	
<u>CAPACITOR</u>			
C201	1-124-120-11	ELECT 220MF 20% 25V	
C207	1-124-477-11	ELECT 47MF 20% 25V	
C208	1-124-477-11	ELECT 47MF 20% 25V	
C210	1-124-477-11	ELECT 47MF 20% 25V	
C211	1-124-477-11	ELECT 47MF 20% 25V	
C223	1-102-959-00	CERAMIC 22PF 5% 50V	
C224	1-101-888-00	CERAMIC 68PF 5% 50V	
C230	1-124-120-11	ELECT 220MF 20% 25V	
C240	1-101-004-00	CERAMIC 0.01MF 50V	
C241	1-124-120-11	ELECT 220MF 20% 25V	
C242	1-124-478-11	ELECT 100MF 20% 25V	
C243	1-124-120-11	ELECT 220MF 20% 25V	
C245	1-101-004-00	CERAMIC 0.01MF 50V	
C246	1-123-875-11	ELECT 10MF 20% 50V	
C248	1-102-125-00	CERAMIC 0.0047MF 10% 50V	

PVM-1341/1342Q/1343MD


B

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Les composants identifiés par une trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.

The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C249	1-124-478-11	ELECT 100MF	20%	25V	R233	1-249-415-11	CARBON 680 5% 1/4W
C255	1-101-004-00	CERAMIC 0.01MF		50V	R234	1-249-411-11	CARBON 330 5% 1/4W
C265	1-102-978-00	CERAMIC 220PF	5%	50V	R235	1-249-415-11	CARBON 680 5% 1/4W
C266	1-101-003-00	CERAMIC 0.0047MF		50V	R236	1-249-411-11	CARBON 330 5% 1/4W
C267	1-124-478-11	ELECT 100MF	20%	25V	R237	1-249-411-11	CARBON 330 5% 1/4W
C272	1-101-002-00	CERAMIC 0.0022MF		50V	R238	1-249-405-11	CARBON 100 5% 1/4W
C273	1-101-002-00	CERAMIC 0.0022MF		50V	R239	1-249-417-11	CARBON 1K 5% 1/4W
C291	1-101-004-00	CERAMIC 0.01MF		50V	R240	1-249-407-11	CARBON 150 5% 1/4W
C292	1-101-004-00	CERAMIC 0.01MF		50V	R241	1-247-895-00	CARBON 470K 5% 1/4W
					R242	1-249-421-11	CARBON 2.2K 5% 1/4W
<u>FILTER BLOCK</u>					R243	1-249-435-11	CARBON 33K 5% 1/4W
CFM201	1-464-880-11	FILTER BLOCK, COM (CFB-2)			R244	1-249-435-11	CARBON 33K 5% 1/4W
					R245	1-249-422-11	CARBON 2.7K 5% 1/4W
					R250	1-249-405-11	CARBON 100 5% 1/4W
					R254	1-249-421-11	CARBON 2.2K 5% 1/4W
<u>DIODE</u>					R255	1-249-417-11	CARBON 1K 5% 1/4W
D240	8-719-110-16	DIODE RD10ES-B1			R256	1-249-405-11	CARBON 100 5% 1/4W
					R268	1-249-417-11	CARBON 1K 5% 1/4W
<u>DELAY LINE</u>					R270	1-249-417-11	CARBON 1K 5% 1/4W
DL230	1-415-632-11	DELAY LINE, Y			R271	1-249-417-11	CARBON 1K 5% 1/4W
					R272	1-249-417-11	CARBON 1K 5% 1/4W
					R273	1-249-426-11	CARBON 5.6K 5% 1/4W
					R274	1-249-429-11	CARBON 10K 5% 1/4W
					R294	1-249-405-11	CARBON 100 5% 1/4W
					R295	1-249-405-11	CARBON 100 5% 1/4W
IC210	8-759-240-53	IC TC4053BP					
<u>MODULE</u>					<u>VARIABLE RESISTOR</u>		
PCM290	1-808-628-11	MODULE, PHASE PHM-1			RV292	1-228-991-00	RES, ADJ, CARBON 2.2K
<u>TRANSISTOR</u>					*****		
Q201	8-729-178-54	TRANSISTOR 2SC2785			*A-1245-446-A	F BOARD, COMPLETE (PVM-1341/1342Q ONLY)	
Q214	8-729-178-54	TRANSISTOR 2SC2785				*****	
Q230	8-729-178-54	TRANSISTOR 2SC2785			*A-1245-455-A	F BOARD, COMPLETE (PVM-1343MD ONLY)	
Q231	8-729-178-54	TRANSISTOR 2SC2785				*****	
Q232	8-729-178-54	TRANSISTOR 2SC2785			*4-341-751-01	EYELET	
					*4-341-752-01	EYELET	
					4-363-414-00	SPACER, MICA	
Q233	8-729-117-54	TRANSISTOR 2SA1175					
Q234	8-729-178-54	TRANSISTOR 2SC2785					
Q240	8-729-177-42	TRANSISTOR 2SD774-3					
Q241	8-729-178-54	TRANSISTOR 2SC2785					
Q262	8-729-178-54	TRANSISTOR 2SC2785					
Q263	8-729-178-54	TRANSISTOR 2SC2785					
Q264	8-729-117-54	TRANSISTOR 2SA1175					
<u>RESISTOR</u>							
R201	1-249-435-11	CARBON 33K 5%	1/4W				
R202	1-249-435-11	CARBON 33K 5%	1/4W				
R203	1-249-405-11	CARBON 100 5%	1/4W				
R204	1-249-421-11	CARBON 2.2K 5%	1/4W				
R218	1-249-425-11	CARBON 4.7K 5%	1/4W				
R219	1-249-405-11	CARBON 100 5%	1/4W				
R220	1-249-428-11	CARBON 8.2K 5%	1/4W				
R221	1-249-423-11	CARBON 3.3K 5%	1/4W				
R224	1-249-439-11	CARBON 68K 5%	1/4W				
R225	1-249-439-11	CARBON 68K 5%	1/4W				
R226	1-249-439-11	CARBON 68K 5%	1/4W				
R227	1-249-386-11	CARBON 2.7 5%	1/4W				
R228	1-249-433-11	CARBON 22K 5%	1/4W				
R229	1-249-433-11	CARBON 22K 5%	1/4W				
R230	1-249-429-11	CARBON 10K 5%	1/4W				
R231	1-249-422-11	CARBON 2.7K 5%	1/4W				
R232	1-249-415-11	CARBON 680 5%	1/4W				

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.

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-73-

VM-1341/1342Q/1343MD

F

Qc

- The components identified by ☒ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifiés par une trame et une marque ☒ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark ☒ are critical for safety. Replace only with part number specified.

Ref.No.	Part No.	Description	Remark
R655	1-249-469-11	CARBON 100K 5% 1/4W	
R656	1-247-895-00	CARBON 470K 5% 1/4W	
R657	1-247-883-00	CARBON 150K 5% 1/4W	
R658 <input checked="" type="checkbox"/>	1-247-289-11	CARBON 8.2M 5% 1W	
R661	1-249-443-11	CARBON 0.47 5% 1/4W	F
R665	1-215-427-00	METAL 1.8K 1% 1/6W	
R669	1-249-443-11	CARBON 0.47 5% 1/4W	F
R671	1-215-412-00	METAL 430 1% 1/6W	
R682	1-215-923-00	METAL OXIDE 10K 5% 3W	F
R688	1-249-427-11	CARBON 6.8K 5% 1/4W	
<input checked="" type="checkbox"/> R690 <input checked="" type="checkbox"/>		METAL 1/6W	
R691	1-216-489-11	METAL OXIDE 27K 5% 3W	F
R692	1-202-719-00	SOLID 1M 10% 1/2W	

VARIABLE RESISTOR

RV601 1-230-504-11 RES, ADJ, CARBON 220

TRANSFORMER

T602 1-437-079-00 TRANSFORMER, HORIZONTAL DRIVE
T603 ☒ 1-448-895-11 SRT
T604 ☒ 1-421-776-11 LFT
T605 ☒ 1-421-758-11 TRANSFORMER, LINE FILTER (LFT)

THERMISTOR

TH611 1-800-954-11 THERMISTOR S-3K
THP601A 1-808-081-11 THERMISTOR, POSITIVE

*A-1270-247-A QC BOARD, COMPLETE

1-537-191-11 TERMINAL BOARD, INPUT/OUTPUT (R)
1-537-192-11 TERMINAL BOARD, INPUT/OUTPUT (L)
*4-379-104-01 INSULATOR, SLIDE SW

CAPACITOR

C101	1-124-589-11	ELECT 47MF	20%	16V
C102	1-126-160-11	ELECT 1MF	20%	50V
C103	1-126-160-11	ELECT 1MF	20%	50V
C104	1-161-021-11	CERAMIC 0.047MF	10%	25V
C105	1-126-160-11	ELECT 1MF	20%	50V
C106	1-126-160-11	ELECT 1MF	20%	50V
C107	1-124-589-11	ELECT 47MF	20%	16V
C108	1-124-589-11	ELECT 47MF	20%	16V
C109	1-124-589-11	ELECT 47MF	20%	16V
C110	1-124-589-11	ELECT 47MF	20%	16V
C111	1-124-589-11	ELECT 47MF	20%	16V
C112	1-124-589-11	ELECT 47MF	20%	16V
C113	1-124-589-11	ELECT 47MF	20%	16V
C114	1-126-160-11	ELECT 1MF	20%	50V
C115	1-126-160-11	ELECT 1MF	20%	50V
C116	1-124-589-11	ELECT 47MF	20%	16V
C117	1-126-157-11	ELECT 10MF	20%	16V
C118	1-126-157-11	ELECT 10MF	20%	16V
C119	1-126-157-11	ELECT 10MF	20%	16V
C120	1-124-589-11	ELECT 47MF	20%	16V
C122	1-124-589-11	ELECT 47MF	20%	16V
C123	1-124-589-11	ELECT 47MF	20%	16V

Ref.No.	Part No.	Description	Remark
IC			
IC101	8-759-800-81	IC LA7016	
TRANSISTOR			
Q122	8-729-178-54	TRANSISTOR 2SC2785	
RESISTOR			
R101	1-249-429-11	CARBON 10K 5% 1/4W	
R102	1-249-405-11	CARBON 100 5% 1/4W	
R103	1-249-429-11	CARBON 10K 5% 1/4W	
R104	1-249-405-11	CARBON 100 5% 1/4W	
R105	1-247-104-00	CARBON 75 5% 1/4W	
R106	1-249-405-11	CARBON 100 5% 1/4W	
R107	1-247-104-00	CARBON 75 5% 1/4W	
R108	1-249-405-11	CARBON 100 5% 1/4W	
R109	1-247-104-00	CARBON 75 5% 1/4W	
R110	1-247-104-00	CARBON 75 5% 1/4W	
R111	1-249-429-11	CARBON 10K 5% 1/4W	
R112	1-249-405-11	CARBON 100 5% 1/4W	
R113	1-249-429-11	CARBON 10K 5% 1/4W	
R114	1-247-104-00	CARBON 75 5% 1/4W	
R115	1-249-405-11	CARBON 100 5% 1/4W	
R116	1-249-409-11	CARBON 220 5% 1/4W	
R117	1-249-408-11	CARBON 180 5% 1/4W	
R118	1-249-408-11	CARBON 180 5% 1/4W	
R119	1-249-417-11	CARBON 1K 5% 1/4W	
R121	1-249-417-11	CARBON 1K 5% 1/4W	
R122	1-215-393-00	METAL 68 1% 1/6W	
R123	1-249-417-11	CARBON 1K 5% 1/4W	
R125	1-249-405-11	CARBON 100 5% 1/4W	
R126	1-249-433-11	CARBON 22K 5% 1/4W	
R127	1-249-433-11	CARBON 22K 5% 1/4W	
R128	1-249-429-11	CARBON 10K 5% 1/4W	
R129	1-247-104-00	CARBON 75 5% 1/4W	
R130	1-247-104-00	CARBON 75 5% 1/4W	
R131	1-247-104-00	CARBON 75 5% 1/4W	
R132	1-249-417-11	CARBON 1K 5% 1/4W	
R133	1-247-104-00	CARBON 75 5% 1/4W	
R134	1-249-417-11	CARBON 1K 5% 1/4W	
R220	1-215-429-00	METAL 2.2K 1% 1/6W	
R221	1-215-429-00	METAL 2.2K 1% 1/6W	
R222	1-215-429-00	METAL 2.2K 1% 1/6W	
R254	1-249-420-11	CARBON 1.8K 5% 1/4W	
R298	1-249-460-11	CARBON 15K 5% 1/4W	

VARIABLE RESISTOR

RV101 1-228-848-00 RES, VAR, CARBON 10K
RV102 1-228-847-11 RES, VAR, CARBON 10K

SWITCH

S101 1-570-145-11 SWITCH, SLIDE

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
*A-1270-248-A QD BOARD, COMPLETE *****							
				TRANSISTOR			
				Q101	8-729-178-54	TRANSISTOR 2SC2785	
				Q102	8-729-178-54	TRANSISTOR 2SC2785	
				Q103	8-729-178-54	TRANSISTOR 2SC2785	
				Q104	8-729-178-54	TRANSISTOR 2SC2785	
				Q105	8-729-178-54	TRANSISTOR 2SC2785	
				Q106	8-729-178-54	TRANSISTOR 2SC2785	
				Q107	8-729-178-54	TRANSISTOR 2SC2785	
				Q108	8-729-178-54	TRANSISTOR 2SC2785	
				Q109	8-729-178-54	TRANSISTOR 2SC2785	
				Q110	8-729-900-36	TRANSISTOR DTC124ES	
				Q111	8-729-900-89	TRANSISTOR DTC144ES	
				Q112	8-729-178-54	TRANSISTOR 2SC2785	
				Q113	8-729-178-54	TRANSISTOR 2SC2785	
				Q114	8-729-900-36	TRANSISTOR DTC124ES	
				Q115	8-729-178-54	TRANSISTOR 2SC2785	
				Q125	8-729-117-54	TRANSISTOR 2SA1175	
				Q131	8-729-117-54	TRANSISTOR 2SA1175	
				Q132	8-729-117-54	TRANSISTOR 2SA1175	
				Q135	8-729-900-65	TRANSISTOR DTA144ES	
				RESISTOR			
				R135	1-249-417-11	CARBON 1K 5% 1/4W	
				R136	1-249-411-11	CARBON 330 5% 1/4W	
				R137	1-249-418-11	CARBON 1.2K 5% 1/4W	
				R138	1-249-421-11	CARBON 2.2K 5% 1/4W	
				R139	1-249-424-11	CARBON 3.9K 5% 1/4W	
				R140	1-249-417-11	CARBON 1K 5% 1/4W	
				R141	1-249-425-11	CARBON 4.7K 5% 1/4W	
				R142	1-249-435-11	CARBON 33K 5% 1/4W	
				R143	1-249-435-11	CARBON 33K 5% 1/4W	
				R144	1-249-417-11	CARBON 1K 5% 1/4W	
				R145	1-249-411-11	CARBON 330 5% 1/4W	
				R146	1-249-417-11	CARBON 1K 5% 1/4W	
				R147	1-249-411-11	CARBON 330 5% 1/4W	
				R148	1-249-429-11	CARBON 10K 5% 1/4W	
				R149	1-249-425-11	CARBON 4.7K 5% 1/4W	
				R150	1-249-417-11	CARBON 1K 5% 1/4W	
				R151	1-249-429-11	CARBON 10K 5% 1/4W	
				R152	1-249-429-11	CARBON 10K 5% 1/4W	
				R153	1-249-405-11	CARBON 100 5% 1/4W	
				R154	1-249-405-11	CARBON 100 5% 1/4W	
				R155	1-249-433-11	CARBON 22K 5% 1/4W	
				R156	1-249-433-11	CARBON 22K 5% 1/4W	
				R157	1-249-430-11	CARBON 12K 5% 1/4W	
				R158	1-249-417-11	CARBON 1K 5% 1/4W	
				R159	1-247-706-11	CARBON 330 5% 1/4W	
				R160	1-247-706-11	CARBON 330 5% 1/4W	
				R161	1-247-706-11	CARBON 330 5% 1/4W	
				R162	1-249-426-11	CARBON 5.6K 5% 1/4W	
				R163	1-249-421-11	CARBON 2.2K 5% 1/4W	
				R164	1-249-421-11	CARBON 2.2K 5% 1/4W	
				R165	1-249-425-11	CARBON 4.7K 5% 1/4W	
				R166	1-249-425-11	CARBON 4.7K 5% 1/4W	
				R167	1-247-721-11	CARBON 4.7K 5% 1/4W	
				R168	1-249-421-11	CARBON 2.2K 5% 1/4W	
				R169	1-249-433-11	CARBON 22K 5% 1/4W	
				R170	1-249-437-11	CARBON 47K 5% 1/4W	
				R171	1-247-725-11	CARBON 10K 5% 1/4W	
				R172	1-249-405-11	CARBON 100 5% 1/4W	
				R173	1-247-716-11	CARBON 1.8K 5% 1/4W	
				R174	1-249-432-11	CARBON 18K 5% 1/4W	
				CAPACITOR			
C121	1-126-094-11	ELECT 4.7MF	20% 25V				
C124	1-101-004-00	CERAMIC 0.01MF	50V				
C125	1-124-477-11	ELECT 47MF	20% 16V				
C126	1-124-589-11	ELECT 47MF	20% 16V				
C127	1-101-004-00	CERAMIC 0.01MF	50V				
C128	1-124-589-11	ELECT 47MF	20% 16V				
C129	1-124-589-11	ELECT 47MF	20% 16V				
C130	1-124-584-00	ELECT 100MF	20% 10V				
C131	1-161-021-11	CERAMIC 0.047MF	10% 25V				
C132	1-102-963-00	CERAMIC 33PF	5% 50V				
C133	1-126-157-11	ELECT 10MF	20% 16V				
C134	1-161-021-11	CERAMIC 0.047MF	10% 25V				
C135	1-108-630-91	MYLAR 0.022MF	10% 100V				
C136	1-101-004-00	CERAMIC 0.01MF	50V				
C137	1-124-589-11	ELECT 47MF	20% 16V				
C138	1-124-589-11	ELECT 47MF	20% 16V				
C139	1-126-160-11	ELECT 1MF	20% 50V				
C140	1-124-589-11	ELECT 47MF	20% 16V				
C141	1-102-965-00	CERAMIC 39PF	5% 50V				
C142	1-102-965-00	CERAMIC 39PF	5% 50V				
C143	1-102-965-00	CERAMIC 39PF	5% 50V				
C144	1-126-094-11	ELECT 4.7MF	20% 25V				
C145	1-161-021-11	CERAMIC 0.047MF	10% 25V				
C146	1-124-589-11	ELECT 47MF	20% 16V				
C147	1-124-589-11	ELECT 47MF	20% 16V				
C148	1-126-157-11	ELECT 10MF	20% 16V				
C149	1-130-022-61	FILM 0.0022MF	10% 50V				
C150	1-130-483-00	MYLAR 0.01MF	5% 50V				
C151	1-130-471-00	FILM 0.001MF	10% 50V				
C172	1-101-005-00	CERAMIC 0.022MF	50V				
C173	1-136-169-00	FILM 0.22MF	5% 50V				
C174	1-102-965-00	CERAMIC 39PF	5% 50V				
				DIODE			
D102	8-719-110-03	DIODE RD7.5ES-B2					
D103	8-719-911-19	DIODE 1SS119					
D104	8-719-911-19	DIODE 1SS119					
D105	8-719-911-19	DIODE 1SS119					
D106	8-719-109-85	DIODE RD5.1ES-B2					
D107	8-719-109-85	DIODE RD5.1ES-B2					
D113	8-719-911-19	DIODE 1SS119					
D116	8-719-911-19	DIODE 1SS119					
				IC			
IC102	8-759-900-09	IC SN74LS09N					
IC103	8-759-901-38	IC SN74LS138N					
IC104	8-759-901-36	IC SN74LS136N					
IC105	8-759-900-11	IC SN74LS11N					
IC106	8-759-800-81	IC LA7016					
IC107	8-759-933-23	IC BA236					
				FILTER MODULE			
LP101	1-235-988-11	FILTER MODULE, LOW PASS					

—76—

QE

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R253	1-249-417-11	CARBON 1K 5% 1/4W		C329	1-124-477-11	ELECT 47MF 20% 25V	
R265	1-249-415-11	CARBON 680 5% 1/4W		C330	1-101-880-00	CERAMIC 47PF 5% 50V	
*****				C331	1-101-004-00	CERAMIC 0.01MF 50V	
				C332	1-102-971-00	CERAMIC 82PF 5% 50V	
				C333	1-136-165-00	FILM 0.1MF 5% 50V	
*A-1296-520-A A BOARD, COMPLETE							
*****				C334	1-136-173-00	FILM 0.47MF 5% 50V	
				C335	1-136-173-00	FILM 0.47MF 5% 50V	
*4-329-153-00 HEAT SINK, V OUT				C336	1-102-971-00	CERAMIC 82PF 5% 50V	
*4-341-751-01 EYELET				C337	1-124-477-11	ELECT 47MF 20% 25V	
*4-341-752-01 EYELET				C338	1-124-477-11	ELECT 47MF 20% 25V	
*4-363-404-00 HOLDER, IC							
4-363-414-00 SPACER, MICA				C339	1-124-477-11	ELECT 47MF 20% 25V	
				C340	1-124-477-11	ELECT 47MF 20% 25V	
				C341	1-124-477-11	ELECT 47MF 20% 25V	
				C342	1-124-477-11	ELECT 47MF 20% 25V	
				C343	1-124-477-11	ELECT 47MF 20% 25V	
				C344	1-124-477-11	ELECT 47MF 20% 25V	
				C345	1-102-949-00	CERAMIC 12PF 5% 50V	
				C346	1-126-233-11	ELECT 22MF 20% 50V	
				C347	1-123-875-11	ELECT 10MF 20% 50V	
				C348	1-101-004-00	CERAMIC 0.01MF 50V	
				C349	1-124-120-11	ELECT 220MF 20% 25V	
				C350	1-101-884-00	CERAMIC 56PF 5% 50V	
				C351	1-102-106-00	CERAMIC 100PF 10% 50V	
				C352	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
				C353	1-161-021-11	CERAMIC 0.047MF 10% 25V	
				C401	1-136-153-00	FILM 0.01MF 5% 50V	
				C402	1-136-165-00	FILM 0.1MF 5% 50V	
				C403	1-136-165-00	FILM 0.1MF 5% 50V	
				C404	1-136-169-00	FILM 0.22MF 5% 50V	
				C405	1-136-169-00	FILM 0.22MF 5% 50V	
				C406	1-136-169-00	FILM 0.22MF 5% 50V	
				C407	1-124-464-11	ELECT 0.22MF 20% 50V	
				C408	1-124-464-11	ELECT 0.22MF 20% 50V	
				C409	1-124-464-11	ELECT 0.22MF 20% 50V	
				C410	1-124-499-11	ELECT 1MF 20% 50V	
				C411	1-124-499-11	ELECT 1MF 20% 50V	
				C412	1-124-463-00	ELECT 0.1MF 20% 50V	
				C413	1-124-463-00	ELECT 0.1MF 20% 50V	
				C414	1-136-165-00	FILM 0.1MF 5% 50V	
				C415	1-136-165-00	FILM 0.1MF 5% 50V	
				C416	1-126-233-11	ELECT 22MF 20% 50V	
				C417	1-136-161-00	FILM 0.047MF 5% 50V	
				C418	1-136-153-00	FILM 0.01MF 5% 50V	
				C419	1-110-203-51	MYLAR 0.0047MF 5% 50V	
				C420	1-136-161-00	FILM 0.047MF 5% 50V	
				C421	1-136-153-00	FILM 0.01MF 5% 50V	
				C422	1-110-203-51	MYLAR 0.0047MF 5% 50V	
				C423	1-136-153-00	FILM 0.01MF 5% 50V	
				C424	1-110-203-51	MYLAR 0.0047MF 5% 50V	
				C425	1-124-478-11	ELECT 100MF 20% 25V	
				C426	1-136-161-00	FILM 0.047MF 5% 50V	
				C427	1-124-478-11	ELECT 100MF 20% 25V	
				C428	1-124-478-11	ELECT 100MF 20% 25V	
				C430	1-101-888-00	CERAMIC 68PF 5% 50V	
				C431	1-101-888-00	CERAMIC 68PF 5% 50V	
				C470	1-124-120-11	ELECT 220MF 20% 25V	
				C471	1-124-120-11	ELECT 220MF 20% 25V	
				C472	1-101-004-00	CERAMIC 0.01MF 50V	
				C473	1-124-478-11	ELECT 100MF 20% 25V	
				C474	1-101-004-00	CERAMIC 0.01MF 50V	
				C475	1-101-004-00	CERAMIC 0.01MF 50V	
				C476	1-101-888-00	CERAMIC 68PF 5% 50V	
				C477	1-101-006-00	CERAMIC 0.047MF 50V	
				C478	1-101-004-00	CERAMIC 0.01MF 50V	
				C479	1-124-478-11	ELECT 100MF 20% 25V	
				C480	1-101-004-00	CERAMIC 0.01MF 50V	
				C481	1-101-004-00	CERAMIC 0.01MF 50V	

VM-1341/1342Q/1343MD

A

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
C482	1-124-478-11	ELECT	100MF	20%	25V	C549	1-123-875-11	ELECT	10MF	20%	50V
C483	1-124-120-11	ELECT	220MF	20%	25V	C550	1-102-244-00	CERAMIC	220PF	10%	500V
C484	1-101-004-00	CERAMIC	0.01MF		50V	C551	1-124-360-00	ELECT	1000MF	20%	16V
C485	1-124-478-11	ELECT	100MF	20%	25V	C552	1-124-499-11	ELECT	1MF	20%	50V
C486	1-101-004-00	CERAMIC	0.01MF		50V	C553	1-108-626-11	MYLAR	0.01MF	10%	100V
C487	1-101-004-00	CERAMIC	0.01MF		50V	C554	1-124-499-11	ELECT	1MF	20%	50V
C488	1-124-120-11	ELECT	220MF	20%	25V	C555	1-108-633-11	MYLAR	0.039MF	10%	100V
C489	1-124-927-11	ELECT	4.7MF	20%	50V	C556	1-136-173-00	FILM	0.47MF	5%	50V
C491	1-101-004-00	CERAMIC	0.01MF		50V	C557	1-124-902-00	ELECT	0.47MF	20%	50V
C492	1-124-120-11	ELECT	220MF	20%	25V	C558	1-131-356-00	TANTALUM	3.3MF	10%	25V
C493	1-101-004-00	CERAMIC	0.01MF		50V	C559	1-123-875-11	ELECT	10MF	20%	50V
C494	1-124-120-11	ELECT	220MF	20%	25V	C560	1-136-161-00	FILM	0.047MF	5%	50V
C495	1-101-880-00	CERAMIC	47PF	5%	50V	C561	1-102-973-00	CERAMIC	100PF	5%	50V
C496	1-124-478-11	ELECT	100MF	20%	25V	C562	1-130-471-00	FILM	0.001MF	5%	50V
C497	1-124-120-11	ELECT	220MF	20%	25V	C563	1-123-875-11	ELECT	10MF	20%	50V
C498	1-124-925-11	ELECT	2.2MF	20%	50V	C564	1-102-978-00	CERAMIC	220PF	5%	50V
C500	1-101-884-00	CERAMIC	56PF	5%	50V	C565	1-124-478-11	ELECT	100MF	20%	25V
C501	1-124-120-11	ELECT	220MF	20%	25V	C566	1-124-499-11	ELECT	1MF	20%	50V
C502	1-124-927-11	ELECT	4.7MF	20%	50V	C567	1-123-875-11	ELECT	10MF	20%	50V
C503	1-124-927-11	ELECT	4.7MF	20%	50V	C568	1-108-614-11	MYLAR	0.001MF	10%	100V
C504	1-102-114-00	CERAMIC	470PF	10%	50V	C569	1-130-736-11	FILM	0.01MF	5%	50V
C505	1-123-875-11	ELECT	10MF	20%	50V	C570	1-123-875-11	ELECT	10MF	20%	50V
C506	1-129-794-91	FILM	0.0033MF	5%	100V	C571	1-126-233-11	ELECT	22MF	20%	25V
C507	1-106-180-91	MYLAR	0.0022MF	5%	100V	C572	1-124-499-11	ELECT	1MF	20%	50V
C508	1-108-626-11	MYLAR	0.01MF	10%	100V	C573	1-123-875-11	ELECT	10MF	20%	50V
C509	1-108-630-91	MYLAR	0.022MF	10%	100V	C574	1-124-478-11	ELECT	100MF	20%	25V
C510	1-108-626-11	MYLAR	0.01MF	10%	100V	C575	1-102-978-00	CERAMIC	220PF	5%	50V
C511	1-124-902-00	ELECT	0.47MF	20%	50V	C576	1-161-021-11	CERAMIC	0.047MF	10%	25V
C512	1-102-030-00	CERAMIC	330PF	10%	500V	C577	1-123-875-11	ELECT	10MF	20%	50V
C513	1-136-334-51	FILM	0.033MF	5%	630V	C578	1-124-477-11	ELECT	47MF	20%	25V
C514	Δ 1-136-078-11	FILM	0.0098MF	3%	2KV	C579	1-124-477-11	ELECT	47MF	20%	25V
C515	Δ 1-162-116-51	CERAMIC	680PF	10%	2KV	C580	1-124-499-11	ELECT	1MF	20%	50V
C516	Δ 1-162-116-51	CERAMIC	680PF	10%	2KV	C581	1-124-478-11	ELECT	100MF	20%	25V
C517	1-108-692-11	MYLAR	0.01MF	10%	200V	C583	1-126-233-11	ELECT	22MF	20%	50V
C518	1-126-104-11	ELECT	470MF	20%	35V	C584	1-126-233-11	ELECT	22MF	20%	50V
C519	1-124-120-11	ELECT	220MF	20%	25V	C585	1-102-110-00	CERAMIC	220PF	10%	50V
C520	1-123-024-51	ELECT	33MF		160V	C590	1-126-233-11	ELECT	22MF	20%	50V
C521	1-102-212-00	CERAMIC	820PF	10%	500V	C591	1-124-925-11	ELECT	2.2MF	20%	50V
C522	1-102-212-00	CERAMIC	820PF	10%	500V	C801	1-101-004-00	CERAMIC	0.01MF		50V
C523	1-162-114-00	CERAMIC	0.0047MF		2KV	C802	1-101-361-00	CERAMIC	150PF	5%	50V
C524	1-108-700-11	MYLAR	0.047MF	10%	200V	C803	1-102-976-00	CERAMIC	180PF	5%	50V
C525	1-108-634-11	MYLAR	0.047MF	10%	100V	C804	1-126-233-11	ELECT	22MF	20%	50V
C526	1-124-477-11	ELECT	47MF	20%	25V	C805	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C527	1-124-902-00	ELECT	0.47MF	20%	50V	C806	1-101-884-00	CERAMIC	56PF	5%	50V
C528	1-124-902-00	ELECT	0.47MF	20%	50V	C807	1-130-736-11	FILM	0.01MF	5%	50V
C529	1-126-233-11	ELECT	22MF	20%	50V	C808	1-124-120-11	ELECT	220MF	20%	25V
C530	1-123-875-11	ELECT	10MF	20%	50V	C809	1-101-004-00	CERAMIC	0.01MF		50V
C531	1-131-351-00	TANTALUM	4.7MF	10%	35V	C810	1-108-620-11	MYLAR	0.0033MF	10%	100V
C532	1-123-948-00	ELECT	22MF	20%	250V	C811	1-124-927-11	ELECT	4.7MF	20%	50V
C533	1-136-111-00	FILM	1MF	5%	200V	C1001	1-124-478-11	ELECT	100MF	20%	25V
C534	1-106-399-00	MYLAR	0.22MF	10%	200V	C1002	1-123-875-11	ELECT	10MF	20%	50V
C535	1-123-946-00	ELECT	4.7MF	20%	250V	C1003	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C536	1-136-111-00	FILM	1MF	5%	200V	C1004	1-124-464-11	ELECT	0.22MF	20%	50V
C537	1-102-002-00	CERAMIC	680PF	10%	500V	C1005	1-123-875-11	ELECT	10MF	20%	50V
C538	1-108-626-11	MYLAR	0.01MF	10%	100V	C1006	1-123-875-11	ELECT	10MF	20%	50V
C539	1-108-626-11	MYLAR	0.01MF	10%	100V	C1007	1-108-634-11	MYLAR	0.047MF	10%	100V
C540	1-108-616-91	MYLAR	0.0015MF	10%	100V	C1008	1-124-478-11	ELECT	100MF	20%	25V
C541	1-124-192-11	ELECT	4.7MF	20%	50V	C1009	1-124-480-11	ELECT	470MF	20%	25V
C542	1-123-875-11	ELECT	10MF	20%	50V	C1010	1-124-478-11	ELECT	100MF	20%	25V
C543	1-124-927-11	ELECT	4.7MF	20%	50V	C1011	1-124-477-11	ELECT	47MF	20%	25V
C544	1-124-117-51	ELECT	680MF	10%	25V	C1012	1-124-120-11	ELECT	220MF	20%	25V
C545	1-108-694-81	MYLAR	0.015MF	10%	200V	C1013	1-124-478-11	ELECT	100MF	20%	25V
C546	1-102-030-00	CERAMIC	330PF	10%	500V						
C547	1-124-342-00	ELECT	3.3MF	20%	160V						
C548	1-102-030-00	CERAMIC	330PF	10%	500V						

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

PVM-1341/1342Q/1343MD

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>DIODE</u>				<u>IC</u>			
D302	8-719-911-19	DIODE 1SS119		IC301	8-759-204-21	IC TA7193P	
D303	8-719-911-19	DIODE 1SS119		IC302	1-808-627-11	ACC BLOCK ACC-1	
D304	8-719-911-19	DIODE 1SS119		IC303	8-759-710-31	IC NJM2243S	
D305	8-719-911-19	DIODE 1SS119		IC304	1-235-534-11	CONTROL MODULE, PICTURE	
D306	8-719-911-19	DIODE 1SS119		IC305	8-749-920-72	IC BX7573	
D307	8-719-911-19	DIODE 1SS119		IC306	8-759-420-08	IC AN5613	
D308	8-719-911-19	DIODE 1SS119		IC307	1-808-629-11	MODULE, BLUE ONLY BOM-1	
D309	8-719-911-19	DIODE 1SS119		IC308	1-808-626-11	MODULE, GAIN/BIAS GBM-1	
D311	8-719-911-19	DIODE 1SS119		IC309	8-759-240-52	IC TC4052BP	
D312	8-719-911-19	DIODE 1SS119		IC311	8-759-800-81	IC LA7016	
D313	8-719-911-19	DIODE 1SS119		IC312	8-759-800-81	IC LA7016	
D314	8-719-911-19	DIODE 1SS119		IC401	8-752-030-31	IC CXA1024S	
D400	8-719-121-40	DIODE RD10ES-L3		IC501	8-759-100-60	IC UPC1377C	
D401	8-719-911-19	DIODE 1SS119		IC502	8-759-145-58	IC UPC4558C	
D402	8-719-120-27	DIODE RD4.3ES-L2		IC503	8-749-920-74	IC BX7574	
D403	8-719-109-93	DIODE RD6.2ES-B2		IC504	8-759-345-38	IC HD14538BP	
D404	8-719-911-19	DIODE 1SS119		IC505	8-759-700-06	IC NJM7812B	
D405	8-719-911-19	DIODE 1SS119		IC1001	8-759-420-04	IC AN5265	
D501	8-719-911-19	DIODE 1SS119		<u>COIL</u>			
D502	8-719-971-20	DIODE ERC38-06		L300	1-410-470-11	INDUCTOR 10UH	
D503	8-719-971-20	DIODE ERC38-06		L301	1-410-470-11	INDUCTOR 10UH	
D504	8-719-901-58	DIODE RGP15J		L302	1-410-470-11	INDUCTOR 10UH	
D505	8-719-901-58	DIODE RGP15J		L303	1-410-471-11	INDUCTOR 12UH	
D506	8-719-901-19	DIODE V11N		L304	1-410-467-21	INDUCTOR 5.6UH	
D507	8-719-305-15	DIODE GH3F		L306	1-410-470-11	INDUCTOR 10UH	
D508	8-719-928-08	DIODE ERD28-08S		L307	1-410-467-21	INDUCTOR 5.6UH	
D509	8-719-100-35	DIODE RD5.6E-B2		L495	1-421-013-00	COIL, (HORIZONTAL CHOKE) 25UH	
D510	8-719-190-00	DIODE RD24E-B27		L501	1-459-155-00	COIL (WITH CORE) 45UH	
D511	8-719-200-02	DIODE 10E2		L502	1-410-671-31	INDUCTOR 47UH	
D512	8-719-200-02	DIODE 10E2		L503	1-410-666-31	INDUCTOR 18UH	
D513	8-719-911-19	DIODE 1SS119		L504	1-407-365-00	COIL, CHOKE	
D514	8-719-300-76	DIODE RH-1A		L505	1-407-365-00	COIL, CHOKE	
D515	8-719-300-76	DIODE RH-1A		L506	1-408-238-00	INDUCTOR 3.9MMH	
D516	8-719-200-02	DIODE 10E2		L507	1-459-155-00	COIL (WITH CORE) 45UH	
D517	8-719-911-19	DIODE 1SS119		L508 Δ	1-459-496-12	COIL, FERRITE (HLC)	
D518	8-719-200-02	DIODE 10E2		L509	1-459-106-00	COIL, DUST CORE	
D519	8-719-911-19	DIODE 1SS119		L510	1-459-075-00	COIL, DYNAMIC CONVERSION CHOKE	
D520	8-719-911-19	DIODE 1SS119		L511	1-459-059-00	COIL, DUST CORE	
D521	8-719-911-19	DIODE 1SS119		L512	1-408-247-00	INDUCTOR 33MMH	
D522	8-719-911-19	DIODE 1SS119		L513	1-459-104-00	COIL, DUST CORE	
D523	8-719-911-19	DIODE 1SS119		L514	1-410-686-11	INDUCTOR 1MMH	
D524	8-719-911-19	DIODE 1SS119		L515	1-408-564-11	INDUCTOR 12UH	
D526	8-719-911-19	DIODE 1SS119		L801	1-410-470-11	INDUCTOR 10UH	
D527	8-719-911-19	DIODE 1SS119		L802	1-410-089-21	INDUCTOR 15MMH	
D528	8-719-911-19	DIODE 1SS119		<u>NEON LAMP</u>			
D529	8-719-911-19	DIODE 1SS119		NL501	1-519-237-13	LAMP, NEON	
D530	8-719-901-83	DIODE 1SS83		<u>TRANSISTOR</u>			
D531	8-719-911-19	DIODE 1SS119		Q300	8-729-117-54	TRANSISTOR 2SA1175	
D801	8-719-911-19	DIODE 1SS119		Q301	8-729-178-54	TRANSISTOR 2SC2785	
D802	8-719-911-19	DIODE 1SS119		Q302	8-729-178-54	TRANSISTOR 2SC2785	
D1001	8-719-911-19	DIODE 1SS119		Q303	8-729-178-54	TRANSISTOR 2SC2785	
D1002	8-719-911-19	DIODE 1SS119		Q304	8-729-178-54	TRANSISTOR 2SC2785	
D1003	8-719-911-19	DIODE 1SS119		Q305	8-729-178-54	TRANSISTOR 2SC2785	
D1010	8-719-120-64	DIODE RD5.6ES-L1		Q306	8-729-178-54	TRANSISTOR 2SC2785	
D1011	8-719-110-08	DIODE RD8.2ES-B2		Q307	8-729-117-54	TRANSISTOR 2SA1175	
D1012	8-719-911-55	DIODE U05G		Q308	8-729-178-54	TRANSISTOR 2SC2785	
D1013	8-719-110-37	DIODE RD13ES-B3		Q309	8-729-178-54	TRANSISTOR 2SC2785	
D1014	8-719-936-56	DIODE DAN209S		<u>DELAY LINE</u>			
DL301	1-415-633-11	DELAY LINE, Y					

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-80-

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R333	1-249-435-11	CARBON	33K 5% 1/4W	R398	1-249-405-11	CARBON	100 5% 1/4W
R334	1-249-432-11	CARBON	18K 5% 1/4W	R399	1-247-718-11	CARBON	2.7K 5% 1/4W
R335	1-247-700-11	CARBON	100 5% 1/4W	R400	1-249-413-11	CARBON	470 5% 1/4W
R336	1-249-417-11	CARBON	1K 5% 1/4W	R401	1-249-413-11	CARBON	470 5% 1/4W
R337	1-249-410-11	CARBON	270 5% 1/4W	R402	1-249-416-11	CARBON	820 5% 1/4W
R338	1-249-421-11	CARBON	2.2K 5% 1/4W	R403	1-249-411-11	CARBON	330 5% 1/4W
R339	1-249-405-11	CARBON	100 5% 1/4W	R404	1-249-405-11	CARBON	100 5% 1/4W
R340	1-249-434-11	CARBON	27K 5% 1/4W	R405	1-249-422-11	CARBON	2.7K 5% 1/4W
R341	1-249-434-11	CARBON	27K 5% 1/4W	R406	1-249-413-11	CARBON	470 5% 1/4W
R342	1-249-418-11	CARBON	1.2K 5% 1/4W	R407	1-249-413-11	CARBON	470 5% 1/4W
R343	1-249-440-11	CARBON	82K 5% 1/4W	R408	1-249-416-11	CARBON	820 5% 1/4W
R344	1-249-428-11	CARBON	8.2K 5% 1/4W	R409	1-249-411-11	CARBON	330 5% 1/4W
R345	1-249-416-11	CARBON	820 5% 1/4W	R410	1-249-405-11	CARBON	100 5% 1/4W
R346	1-249-416-11	CARBON	820 5% 1/4W	R411	1-249-422-11	CARBON	2.7K 5% 1/4W
R347	1-249-421-11	CARBON	2.2K 5% 1/4W	R412	1-249-419-11	CARBON	1.5K 5% 1/4W
R348	1-249-421-11	CARBON	2.2K 5% 1/4W	R413	1-249-417-11	CARBON	1K 5% 1/4W
R349	1-249-417-11	CARBON	1K 5% 1/4W	R414	1-249-429-11	CARBON	10K 5% 1/4W
R350	1-249-425-11	CARBON	4.7K 5% 1/4W	R415	1-249-417-11	CARBON	1K 5% 1/4W
R351	1-249-421-11	CARBON	2.2K 5% 1/4W	R416	1-249-429-11	CARBON	10K 5% 1/4W
R352	1-247-891-00	CARBON	330K 5% 1/4W	R417	1-249-421-11	CARBON	2.2K 5% 1/4W
R353	1-249-428-11	CARBON	8.2K 5% 1/4W	R418	1-249-439-11	CARBON	68K 5% 1/4W
R354	1-249-424-11	CARBON	3.9K 5% 1/4W	R419	1-249-433-11	CARBON	22K 5% 1/4W
R355	1-249-434-11	CARBON	27K 5% 1/4W	R420	1-249-426-11	CARBON	5.6K 5% 1/4W
R356	1-249-437-11	CARBON	47K 5% 1/4W	R421	1-249-437-11	CARBON	47K 5% 1/4W
R357	1-249-437-11	CARBON	47K 5% 1/4W	R422	1-249-437-11	CARBON	47K 5% 1/4W
R358	1-249-433-11	CARBON	22K 5% 1/4W	R423	1-249-405-11	CARBON	100 5% 1/4W
R359	1-249-417-11	CARBON	1K 5% 1/4W	R424	1-249-437-11	CARBON	47K 5% 1/4W
R360	1-249-413-11	CARBON	470 5% 1/4W	R425	1-249-437-11	CARBON	47K 5% 1/4W
R361	1-249-405-11	CARBON	100 5% 1/4W	R426	1-249-434-11	CARBON	27K 5% 1/4W
R362	1-249-410-11	CARBON	270 5% 1/4W	R427	1-249-429-11	CARBON	10K 5% 1/4W
R363	1-249-432-11	CARBON	18K 5% 1/4W	R428	1-249-425-11	CARBON	4.7K 5% 1/4W
R364	1-249-417-11	CARBON	1K 5% 1/4W	R429	1-249-405-11	CARBON	100 5% 1/4W
R365	1-249-432-11	CARBON	18K 5% 1/4W	R430	1-247-711-11	CARBON	680 5% 1/4W
R366	1-249-437-11	CARBON	47K 5% 1/4W	R431	1-249-416-11	CARBON	820 5% 1/4W
R367	1-249-413-11	CARBON	470 5% 1/4W	R432	1-249-414-11	CARBON	560 5% 1/4W
R368	1-249-405-11	CARBON	100 5% 1/4W	R433	1-249-433-11	CARBON	22K 5% 1/4W
R369	1-249-405-11	CARBON	100 5% 1/4W	R434	1-249-425-11	CARBON	4.7K 5% 1/4W
R370	1-249-417-11	CARBON	1K 5% 1/4W	R435	1-249-405-11	CARBON	100 5% 1/4W
R371	1-249-432-11	CARBON	18K 5% 1/4W	R436	1-249-423-11	CARBON	3.3K 5% 1/4W
R372	1-249-465-11	CARBON	47K 5% 1/4W	R437	1-249-411-11	CARBON	330 5% 1/4W
R373	1-249-436-11	CARBON	39K 5% 1/4W	R438	1-249-405-11	CARBON	100 5% 1/4W
R374	1-249-432-11	CARBON	18K 5% 1/4W	R439	1-249-417-11	CARBON	1K 5% 1/4W
R375	1-249-405-11	CARBON	100 5% 1/4W	R440	1-249-425-11	CARBON	4.7K 5% 1/4W
R376	1-249-417-11	CARBON	1K 5% 1/4W	R441	1-249-421-11	CARBON	2.2K 5% 1/4W
R377	1-249-428-11	CARBON	8.2K 5% 1/4W	R442	1-247-700-11	CARBON	100 5% 1/4W
R378	1-249-433-11	CARBON	22K 5% 1/4W	R443	1-249-421-11	CARBON	2.2K 5% 1/4W
R379	1-249-430-11	CARBON	12K 5% 1/4W	R444	1-249-419-11	CARBON	1.5K 5% 1/4W
R380	1-249-405-11	CARBON	100 5% 1/4W	R445	1-249-417-11	CARBON	1K 5% 1/4W
R381	1-249-431-11	CARBON	15K 5% 1/4W	R446	1-249-422-11	CARBON	2.7K 5% 1/4W
R382	1-249-408-11	CARBON	180 5% 1/4W	R447	1-249-429-11	CARBON	10K 5% 1/4W
R383	1-249-413-11	CARBON	470 5% 1/4W	R448	1-247-883-00	CARBON	150K 5% 1/4W
R384	1-249-413-11	CARBON	470 5% 1/4W	R449	1-249-462-11	CARBON	22K 5% 1/4W
R385	1-249-411-11	CARBON	330 5% 1/4W	R450	1-249-409-11	CARBON	220 5% 1/4W
R386	1-249-415-11	CARBON	680 5% 1/4W	R451	1-247-704-11	CARBON	220 5% 1/4W
R387	1-249-405-11	CARBON	100 5% 1/4W	R452	1-249-409-11	CARBON	220 5% 1/4W
R388	1-249-423-11	CARBON	3.3K 5% 1/4W	R453	1-247-704-11	CARBON	220 5% 1/4W
R389	1-249-417-11	CARBON	1K 5% 1/4W	R454	1-249-417-11	CARBON	1K 5% 1/4W
R390	1-249-433-11	CARBON	22K 5% 1/4W	R455	1-249-409-11	CARBON	220 5% 1/4W
R391	1-249-433-11	CARBON	22K 5% 1/4W	R456	1-249-409-11	CARBON	220 5% 1/4W
R392	1-249-433-11	CARBON	22K 5% 1/4W	R457	1-249-409-11	CARBON	220 5% 1/4W
R393	1-249-403-11	CARBON	68 5% 1/4W	R458	1-249-433-11	CARBON	22K 5% 1/4W
R394	1-249-409-11	CARBON	220 5% 1/4W	R459	1-249-425-11	CARBON	4.7K 5% 1/4W
R395	1-249-417-11	CARBON	1K 5% 1/4W	R460	1-249-425-11	CARBON	4.7K 5% 1/4W
R396	1-249-433-11	CARBON	22K 5% 1/4W	R461	1-249-433-11	CARBON	22K 5% 1/4W
R397	1-249-405-11	CARBON	100 5% 1/4W	R462	1-249-386-11	CARBON	2.7 5% 1/4W F

VM-1341/1342Q/1343MD

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- The components identified by **⊠** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifiés par une trame et une marque **⊠** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **⊠** are critical for safety. Replace only with part number specified.

- * : Selected to yield optimum performance.

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
* R463	1-215-431-00	METAL	2.7K 1% 1/6W	R514	1-216-367-11	METAL OXIDE	0.68 5% 2W F
* R463	1-215-432-00	METAL	3K 1% 1/6W	R515	1-216-434-11	METAL OXIDE	1.8K 5% 1W F
* R463	1-215-433-00	METAL	3.3K 1% 1/6W	R516	1-214-888-00	METAL	10K 1% 1/2W
* R463	1-215-434-00	METAL	3.6K 1% 1/6W	R517	1-214-763-00	METAL	27K 1% 1/4W
* R463	1-215-435-00	METAL	3.9K 1% 1/6W	R518	1-214-956-00	METAL	470K 1% 1/4W
* R463	1-215-436-00	METAL	4.3K 1% 1/6W	R519	1-214-917-00	METAL	150K 1% 1/2W
* R463	1-215-437-00	METAL	4.7K 1% 1/6W	R520	1-215-467-00	METAL	82K 1% 1/6W
* R463	1-215-438-00	METAL	5.1K 1% 1/6W	R521	1-215-445-00	METAL	10K 1% 1/6W
* R463	1-215-439-00	METAL	5.6K 1% 1/6W	R522	1-247-887-00	CARBON	220K 5% 1/4W
* R463	1-215-440-00	METAL	6.2K 1% 1/6W	R523	1-215-439-00	METAL	5.6K 1% 1/6W
* R463	1-215-441-00	METAL	6.8K 1% 1/6W	R524	1-249-469-11	CARBON	100K 5% 1/4W
* R463	1-215-442-00	METAL	7.5K 1% 1/6W	R525	1-215-445-00	METAL	10K 1% 1/6W
* R463	1-215-443-00	METAL	8.2K 1% 1/6W	R526	1-215-442-00	METAL	7.5K 1% 1/6W
* R463	1-215-444-00	METAL	9.1K 1% 1/6W	R527	1-249-417-11	CARBON	1K 5% 1/4W
* R463	1-215-445-00	METAL	10K 1% 1/6W	R528	1-215-877-11	METAL OXIDE	22K 5% 1W F
* R463	1-215-446-00	METAL	11K 1% 1/6W	R529	1-216-360-11	METAL OXIDE	8.2 5% 1W F
* R463	1-215-447-00	METAL	12K 1% 1/6W	R530	1-216-427-00	METAL OXIDE	120 5% 1W F
R464	1-259-881-11	CARBON	2.7M 5% 1/4W	R531	1-247-756-11	CARBON	2.2K 5% 1/2W F
R465	1-249-465-11	CARBON	47K 5% 1/4W	R532	1-249-436-11	CARBON	39K 5% 1/4W
R466	1-249-421-11	CARBON	2.2K 5% 1/4W	R533	1-249-422-11	CARBON	2.7K 5% 1/4W
R467	1-249-431-11	CARBON	15K 5% 1/4W	R534	1-247-719-11	CARBON	3.3K 5% 1/4W
R468	1-249-431-11	CARBON	15K 5% 1/4W	R535	1-215-441-00	METAL	6.8K 1% 1/6W
R469	1-247-897-11	CARBON	560K 5% 1/4W	R536	1-249-433-11	CARBON	22K 5% 1/4W
R470	1-249-437-11	CARBON	47K 5% 1/4W	R537	1-249-417-11	CARBON	1K 5% 1/4W F
R471	1-249-429-11	CARBON	10K 5% 1/4W	R538	1-249-428-11	CARBON	8.2K 5% 1/4W
R472	1-249-417-11	CARBON	1K 5% 1/4W	R539	1-247-883-00	CARBON	150K 5% 1/4W
R473	1-249-437-11	CARBON	47K 5% 1/4W	R540	1-249-466-11	CARBON	56K 5% 1/4W
R474	1-249-429-11	CARBON	10K 5% 1/4W	R541	1-247-883-00	CARBON	150K 5% 1/4W
R475	1-249-417-11	CARBON	1K 5% 1/4W	R542	1-249-438-11	CARBON	56K 5% 1/4W
R476	1-249-401-11	CARBON	47 5% 1/4W	R543	1-247-903-00	CARBON	1M 5% 1/4W
R477	1-249-417-11	CARBON	1K 5% 1/4W	R544	1-215-453-00	METAL	22K 1% 1/6W
R478	1-249-401-11	CARBON	47 5% 1/4W	R545	1-249-417-11	CARBON	1K 5% 1/4W
R479	1-249-417-11	CARBON	1K 5% 1/4W	R546	1-249-411-11	CARBON	330 5% 1/4W
R480	1-249-401-11	CARBON	47 5% 1/4W	R547	1-249-414-11	CARBON	560 5% 1/4W
R481	1-249-433-11	CARBON	22K 5% 1/4W	R548	1-249-415-11	CARBON	680 5% 1/4W
R482	1-249-433-11	CARBON	22K 5% 1/4W	R549	1-215-473-00	METAL	150K 1% 1/6W
R483	1-249-433-11	CARBON	22K 5% 1/4W	R550	1-249-433-11	CARBON	22K 5% 1/4W
R484	1-247-891-00	CARBON	330K 5% 1/4W	R551	1-247-688-11	CARBON	10 5% 1/4W F
R485	1-246-533-75	CARBON	330K 5% 1/4W	R552	1-249-425-11	CARBON	4.7K 5% 1/4W
R486	1-249-433-11	CARBON	22K 5% 1/4W	R553	1-249-429-11	CARBON	10K 5% 1/4W
R487	1-249-433-11	CARBON	22K 5% 1/4W	R554	1-249-460-11	CARBON	15K 5% 1/4W
R488	1-249-418-11	CARBON	1.2K 5% 1/4W F	R555	1-249-426-11	CARBON	5.6K 5% 1/4W
R489	1-249-421-11	CARBON	2.2K 5% 1/4W	R556	1-247-707-11	CARBON	390 5% 1/4W
R490	1-247-895-00	CARBON	470K 5% 1/4W	R557	1-215-463-00	METAL	56K 1% 1/6W
R491	1-249-420-11	CARBON	1.8K 5% 1/4W	R558	1-215-457-00	METAL	33K 1% 1/6W
R492	1-249-417-11	CARBON	1K 5% 1/4W	R559	1-215-453-00	METAL	22K 1% 1/6W
R493	1-249-441-11	CARBON	100K 5% 1/4W	R560	1-215-479-00	METAL	270K 1% 1/6W
R494	1-249-413-11	CARBON	470 5% 1/4W	R561	1-249-435-11	CARBON	33K 5% 1/4W
R495	1-249-433-11	CARBON	22K 5% 1/4W	R562	1-249-422-11	CARBON	2.7K 5% 1/4W
R496	1-249-433-11	CARBON	22K 5% 1/4W	R563	1-249-428-11	CARBON	8.2K 5% 1/4W
R497	1-249-437-11	CARBON	47K 5% 1/4W	R564	1-215-445-00	METAL	10K 1% 1/6W
R498	1-249-433-11	CARBON	22K 5% 1/4W	R565	1-249-413-11	CARBON	470 5% 1/4W F
R499	1-249-433-11	CARBON	22K 5% 1/4W	R566	1-216-350-11	METAL OXIDE	1.2 5% 1W F
⊠ R500	1-247-711-11	METAL	680 5% 1/4W F	R567	1-216-350-11	METAL OXIDE	1.2 5% 1W F
R501	1-216-464-11	METAL OXIDE	18K 5% 2W F	R568	1-249-401-11	CARBON	47 5% 1/4W F
R502	1-249-440-11	CARBON	82K 5% 1/4W	R569	1-215-869-11	METAL OXIDE	1K 5% 1W F
R503	1-249-424-11	CARBON	3.9K 5% 1/4W	R570	1-247-697-11	CARBON	56 5% 1/4W F
R504	1-249-440-11	CARBON	82K 5% 1/4W	R571	1-215-867-00	METAL OXIDE	470 5% 1W F
R505	1-249-431-11	CARBON	15K 5% 1/4W	R572	1-216-355-11	METAL OXIDE	3.3 5% 1W F
R506	1-249-434-11	CARBON	27K 5% 1/4W	R573	1-247-746-11	CARBON	390 5% 1/2W
R507	1-247-723-11	CARBON	6.8K 5% 1/4W F	R574	1-249-425-11	CARBON	4.7K 5% 1/4W
R508	1-249-423-11	CARBON	3.3K 5% 1/4W F	R575	1-247-688-11	CARBON	10 5% 1/4W F
R509	1-215-919-11	METAL OXIDE	2.2K 5% 3W F	R576	1-249-440-11	CARBON	82K 5% 1/4W
R510	1-215-447-00	METAL	12K 1% 1/6W	R577	1-249-396-11	CARBON	18 5% 1/4W
R511	1-212-883-00	FUSIBLE	120 5% 1/4W F	R578	1-249-433-11	CARBON	22K 5% 1/4W
R512	1-249-383-11	CARBON	1.5 5% 1/4W F				
R513							

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R579	1-249-433-11	CARBON	22K 5% 1/4W	R846	1-215-439-00	METAL	5.6K 1% 1/6W
R580	1-249-433-11	CARBON	22K 5% 1/4W	R847	1-249-433-11	CARBON	22K 5% 1/4W
R581	1-249-429-11	CARBON	10K 5% 1/4W	R848	1-249-433-11	CARBON	22K 5% 1/4W
R582	1-249-429-11	CARBON	10K 5% 1/4W	R850	1-249-440-11	CARBON	82K 5% 1/4W
R583	1-249-438-11	CARBON	56K 5% 1/4W	R851	1-249-439-11	CARBON	68K 5% 1/4W
R584	1-247-881-00	CARBON	120K 5% 1/4W	R852	1-249-437-11	CARBON	47K 5% 1/4W
R585	1-249-433-11	CARBON	22K 5% 1/4W	R853	1-247-710-11	CARBON	560 5% 1/4W
R586	1-215-449-00	METAL	15K 1% 1/6W	R855	1-249-414-11	CARBON	560 5% 1/4W
R587	1-249-429-11	CARBON	10K 5% 1/4W	R856	1-249-429-11	CARBON	10K 5% 1/4W
R588	1-247-688-11	CARBON	10 5% 1/4W F	R857	1-247-725-11	CARBON	10K 5% 1/4W
R589	1-249-417-11	CARBON	1K 5% 1/4W	R858	1-249-433-11	CARBON	22K 5% 1/4W
R590	1-249-433-11	CARBON	22K 5% 1/4W	R860	1-249-425-11	CARBON	4.7K 5% 1/4W
R591	1-249-433-11	CARBON	22K 5% 1/4W	R861	1-249-437-11	CARBON	47K 5% 1/4W
R592	1-249-417-11	CARBON	1K 5% 1/4W	R862	1-249-425-11	CARBON	4.7K 5% 1/4W
R593	1-249-425-11	CARBON	4.7K 5% 1/4W	R863	1-247-721-11	CARBON	4.7K 5% 1/4W
R594	1-247-719-11	CARBON	3.3K 5% 1/4W	R864	1-247-717-11	CARBON	2.2K 5% 1/4W
R595	1-249-417-11	CARBON	1K 5% 1/4W	R866	1-249-426-11	CARBON	5.6K 5% 1/4W
R596	1-247-721-11	CARBON	4.7K 5% 1/4W F	R867	1-249-426-11	CARBON	5.6K 5% 1/4W
R597	1-215-437-00	METAL	4.7K 1% 1/6W	R868	1-249-421-11	CARBON	2.2K 5% 1/4W
R598	1-247-725-11	CARBON	10K 5% 1/4W	R869	1-249-425-11	CARBON	4.7K 5% 1/4W
R599	1-247-711-11	CARBON	680 5% 1/4W F	R870	1-249-426-11	CARBON	5.6K 5% 1/4W
R800	1-215-443-00	METAL	8.2K 1% 1/6W	R871	1-249-427-11	CARBON	6.8K 5% 1/4W
R801	1-249-440-11	CARBON	82K 5% 1/4W	R872	1-249-417-11	CARBON	1K 5% 1/4W
R802	1-215-429-00	METAL	2.2K 1% 1/6W	R873	1-249-437-11	CARBON	47K 5% 1/4W
R803	1-249-465-11	CARBON	47K 5% 1/4W	R874	1-215-437-00	METAL	4.7K 1% 1/6W
R804	1-247-726-11	CARBON	33K 5% 1/4W F	R875	1-215-453-00	METAL	22K 1% 1/6W
R805	1-249-407-11	CARBON	150 5% 1/4W	R876	1-249-429-11	CARBON	10K 5% 1/4W
R806	1-249-415-11	CARBON	680 5% 1/4W	R877	1-249-417-11	CARBON	1K 5% 1/4W
R807	1-249-437-11	CARBON	47K 5% 1/4W	R878	1-249-429-11	CARBON	10K 5% 1/4W
R808	1-249-433-11	CARBON	22K 5% 1/4W	R879	1-249-437-11	CARBON	47K 5% 1/4W
R809	1-215-471-00	METAL	120K 1% 1/6W	R880	1-249-417-11	CARBON	1K 5% 1/4W
R810	1-215-467-00	METAL	82K 1% 1/6W	R881	1-249-423-11	CARBON	3.3K 5% 1/4W
R811	1-249-429-11	CARBON	10K 5% 1/4W	R883	1-249-409-11	CARBON	220 5% 1/4W
R812	1-249-427-11	CARBON	6.8K 5% 1/4W	R884	1-249-417-11	CARBON	1K 5% 1/4W
R813	1-249-405-11	CARBON	100 5% 1/4W	R885	1-249-469-11	CARBON	100K 5% 1/4W
R814	1-249-417-11	CARBON	1K 5% 1/4W	R886	1-247-725-11	CARBON	10K 5% 1/4W
R815	1-249-409-11	CARBON	220 5% 1/4W	R887	1-247-704-11	CARBON	220 5% 1/4W
R816	1-249-429-11	CARBON	10K 5% 1/4W	R1001	1-247-717-11	CARBON	2.2K 5% 1/4W
R817	1-247-881-00	CARBON	120K 5% 1/4W	R1002	1-249-429-11	CARBON	10K 5% 1/4W
R818	1-247-881-00	CARBON	120K 5% 1/4W	R1003	1-249-405-11	CARBON	100 5% 1/4W
R819	1-247-903-00	CARBON	1M 5% 1/4W	R1004	1-247-725-11	CARBON	10K 5% 1/4W
R820	1-249-426-11	CARBON	5.6K 5% 1/4W	R1005	1-249-437-11	CARBON	47K 5% 1/4W
R821	1-247-881-00	CARBON	120K 5% 1/4W	R1006	1-249-439-11	CARBON	68K 5% 1/4W
R822	1-249-417-11	CARBON	1K 5% 1/4W	R1007	1-249-433-11	CARBON	22K 5% 1/4W
R823	1-247-696-11	CARBON	47 5% 1/4W F	R1009	1-249-429-11	CARBON	10K 5% 1/4W
R824	1-249-439-11	CARBON	68K 5% 1/4W	R1010	1-249-415-11	CARBON	680 5% 1/4W
R825	1-249-437-11	CARBON	47K 5% 1/4W	R1011	1-249-455-11	CARBON	4.7 5% 1/4W
R826	1-249-417-11	CARBON	1K 5% 1/4W	R1012	1-216-355-11	METAL OXIDE	3.3 5% 1W F
R827	1-249-417-11	CARBON	1K 5% 1/4W	R1013	1-249-413-11	CARBON	470 5% 1/4W
R828	1-249-417-11	CARBON	1K 5% 1/4W	R1014	1-249-414-11	CARBON	560 5% 1/4W
R829	1-249-421-11	CARBON	2.2K 5% 1/4W	R1015	1-215-867-00	METAL OXIDE	470 5% 1W F
R830	1-249-435-11	CARBON	33K 5% 1/4W	R1016	1-247-698-11	CARBON	68 5% 1/4W
R831	1-249-438-11	CARBON	56K 5% 1/4W	R1017	1-249-421-11	CARBON	2.2K 5% 1/4W
R832	1-249-417-11	CARBON	1K 5% 1/4W	R1018	1-249-437-11	CARBON	47K 5% 1/4W
R833	1-249-425-11	CARBON	4.7K 5% 1/4W	R1019	1-212-857-00	FUSIBLE	10 5% 1/4W F
R834	1-249-425-11	CARBON	4.7K 5% 1/4W	R1020	1-249-429-11	CARBON	10K 5% 1/4W
R835	1-247-889-00	CARBON	270K 5% 1/4W	R1021	1-249-434-11	CARBON	27K 5% 1/4W
R836	1-247-897-11	CARBON	560K 5% 1/4W	R1022	1-249-428-11	CARBON	8.2K 5% 1/4W
R837	1-215-469-00	METAL	100K 1% 1/6W	R1023	1-249-428-11	CARBON	8.2K 5% 1/4W
R838	1-246-531-00	CARBON	270K 5% 1/4W	R1024	1-247-903-00	CARBON	1M 5% 1/4W
R840	1-247-696-11	CARBON	47 5% 1/4W	R1025	1-249-429-11	CARBON	10K 5% 1/4W
R842	1-249-409-11	CARBON	220 5% 1/4W	R1026	1-249-429-11	CARBON	10K 5% 1/4W
R843	1-247-704-11	CARBON	220 5% 1/4W	R1027	1-215-454-00	METAL	24K 1% 1/6W
R844	1-249-417-11	CARBON	1K 5% 1/4W	R1301	1-249-429-11	CARBON	10K 5% 1/4W
R845	1-247-725-11	CARBON	10K 5% 1/4W	R1302	1-247-725-11	CARBON	10K 5% 1/4W

PVM-1341/1342Q/1343MD

A **W** **XA**

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R1303	1-249-429-11	CARBON 10K 5% 1/4W					
R1304	1-249-405-11	CARBON 100 5% 1/4W					
R1306	1-247-700-11	CARBON 100 5% 1/4W					
R1307	1-249-421-11	CARBON 2.2K 5% 1/4W					
VARIABLE RESISTOR							
RV002	1-228-993-00	RES, ADJ, CARBON 4.7K					
RV003	1-228-993-00	RES, ADJ, CARBON 4.7K					
RV004	1-228-993-00	RES, ADJ, CARBON 4.7K					
RV005	1-228-996-00	RES, ADJ, CARBON 47K					
RV006	1-228-994-00	RES, ADJ, CARBON 10K					
RV007	1-228-994-00	RES, ADJ, CARBON 10K					
RV501	1-228-995-00	RES, ADJ, METAL GLAZE 4.7K					
RV502	1-223-102-00	RES, ADJ, WIREWOUND 120					
RV503	1-228-996-00	RES, ADJ, METAL GLAZE 47K					
RV504	1-228-990-00	RES, ADJ, CARBON 1K					
RV505	1-228-995-00	RES, ADJ, CARBON 22K					
RV506	1-228-989-00	RES, ADJ, CARBON 470					
RV507	1-224-250-99	RES, ADJ, METAL GLAZE 2.2K					
RV508	1-228-994-00	RES, ADJ, CARBON 10K					
RV509	1-230-635-51	RES, ADJ, CARBON 220K					
RV510	1-228-996-00	RES, ADJ, CARBON 47K					
RV511	1-228-989-00	RES, ADJ, CARBON 470					
RV512	1-228-995-00	RES, ADJ, CARBON 22K					
RV513	1-228-993-00	RES, ADJ, METAL GLAZE 4.7K					
RV514	1-228-996-00	RES, ADJ, CARBON 47K					
RV550	1-228-993-00	RES, ADJ, CARBON 4.7K					
TRANSFORMER							
T501	1-439-395-12	TRANSFORMER ASSY, FLYBACK					
T502	1-437-131-00	TRANSFORMER, DRIVE					
THERMISTOR							
TH501	1-806-110-00	THERMISTOR					

*1-629-149-11 W BOARD							

CAPACITOR							
C1400	1-136-169-00	FILM 0.22MF 5% 50V					
C1401	1-136-153-00	FILM 0.01MF 5% 50V					
C1402	1-124-478-11	ELECT 100MF 20% 25V					
C1403	1-102-074-00	CERAMIC 0.001MF 10% 50V					
C1404	1-124-478-11	ELECT 100MF 20% 25V					
C1405	1-123-875-11	ELECT 10MF 20% 50V					
C1406	1-124-902-00	ELECT 0.47MF 20% 50V					
DIODE							
D1400	8-719-911-19	DIODE 1SS119					
D1401	8-719-911-19	DIODE 1SS119					
IC							
IC1400	8-759-135-80	IC UPC358C					
TRANSISTOR							
Q1400	8-729-178-54	TRANSISTOR 2SC2785					
Q1401	8-729-117-54	TRANSISTOR 2SA1175					
Q1402	8-729-178-54	TRANSISTOR 2SC2785					
Q1403	8-729-178-54	TRANSISTOR 2SC2785					
RESISTOR							
R1400	1-249-437-11	CARBON 47K 5% 1/4W					
R1401	1-249-415-11	CARBON 680 5% 1/4W					
R1402	1-247-895-00	CARBON 470K 5% 1/4W					
R1403	1-247-903-00	CARBON 1M 5% 1/4W					
R1404	1-249-438-11	CARBON 56K 5% 1/4W					
R1405	1-249-433-11	CARBON 22K 5% 1/4W					
R1406	1-249-411-11	CARBON 330 5% 1/4W					
R1407	1-249-433-11	CARBON 22K 5% 1/4W					
R1408	1-249-411-11	CARBON 330 5% 1/4W					
R1409	1-249-429-11	CARBON 10K 5% 1/4W					
R1410	1-249-409-11	CARBON 220 5% 1/4W					
R1411	1-249-426-11	CARBON 5.6K 5% 1/4W					
R1412	1-249-411-11	CARBON 330 5% 1/4W					
R1413	1-247-883-00	CARBON 150K 5% 1/4W					
R1414	1-249-429-11	CARBON 10K 5% 1/4W					
R1416	1-249-429-11	CARBON 10K 5% 1/4W					
R1417	1-249-433-11	CARBON 22K 5% 1/4W					
R1418	1-249-439-11	CARBON 68K 5% 1/4W					
R1419	1-249-440-11	CARBON 82K 5% 1/4W					
R1420	1-249-441-11	CARBON 100K 5% 1/4W					
CONNECTOR							
W1	*1-565-482-11	CONNECTOR, BOARD TO BOARD 6P					
W2	*1-564-506-11	PLUG, CONNECTOR 3P					

*1-629-151-11 XA BOARD							

CAPACITOR							
C1300	1-101-005-00	CERAMIC 0.022MF 50V					
C1301	1-101-888-00	CERAMIC 68PF 5% 50V					
C1302	1-101-884-00	CERAMIC 56PF 5% 50V					
C1303	1-102-942-00	CERAMIC 5PF 1PF 50V					
C1304	1-102-947-00	CERAMIC 10PF 0.5PF 50V					
C1305	1-102-947-00	CERAMIC 10PF 0.5PF 50V					
C1306	1-102-951-00	CERAMIC 15PF 5% 50V					
C1307	1-102-951-00	CERAMIC 15PF 5% 50V					
C1308	1-124-478-11	ELECT 100MF 20% 25V					
C1309	1-102-125-00	CERAMIC 0.0047MF 10% 50V					
TRIMMER							
CV3	1-141-337-11	CAP, VAR, TRIMMER					
CV4	1-141-337-11	CAP, VAR, TRIMMER					
COIL							
L1300	1-408-429-00	INDUCTOR 470UH					
L1301	1-408-429-00	INDUCTOR 470UH					
L1302	1-408-429-00	INDUCTOR 470UH					
L1303	1-408-429-00	INDUCTOR 470UH					

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

XA

J

Ref.No.	Part No.	Description	Remark
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TRANSISTOR

Q1300	8-729-178-54	TRANSISTOR 2SC2785	
Q1301	8-729-900-89	TRANSISTOR DTC144ES	
Q1302	8-729-178-54	TRANSISTOR 2SC2785	
Q1303	8-729-178-54	TRANSISTOR 2SC2785	
Q1304	8-729-178-54	TRANSISTOR 2SC2785	
Q1305	8-729-178-54	TRANSISTOR 2SC2785	

RESISTOR

R1301	1-249-413-11	CARBON	470	5%	1/4W
R1302	1-249-415-11	CARBON	680	5%	1/4W
R1303	1-249-415-11	CARBON	680	5%	1/4W
R1304	1-249-427-11	CARBON	6.8K	5%	1/4W
R1305	1-249-413-11	CARBON	470	5%	1/4W
R1306	1-249-413-11	CARBON	470	5%	1/4W
R1308	1-249-417-11	CARBON	1K	5%	1/4W
R1310	1-249-441-11	CARBON	100K	5%	1/4W
R1311	1-249-441-11	CARBON	100K	5%	1/4W
R1312	1-249-441-11	CARBON	100K	5%	1/4W
R1313	1-249-441-11	CARBON	100K	5%	1/4W
R1320	1-249-429-11	CARBON	10K	5%	1/4W
R1321	1-249-429-11	CARBON	10K	5%	1/4W
R1322	1-249-429-11	CARBON	10K	5%	1/4W
R1323	1-249-429-11	CARBON	10K	5%	1/4W

CRYSTAL

X358	1-567-505-11	OSCILLATOR, CRYSTAL
X443	1-567-504-11	OSCILLATOR, CRYSTAL

CONNECTOR

XA1	*1-565-483-11	CONNECTOR, BOARD TO BOARD 7P
-----	---------------	------------------------------

*1-629-153-11	J BOARD

CONNECTOR

J1	*1-568-106-11	PIN, CONNECTOR 7P
----	---------------	-------------------

MISCELLANEOUS

Δ 1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE
Δ 1-426-375-11	COIL, DEMAGNETIZATION
Δ 1-451-329-11	DEFLECTION YOKE (SY-222)
1-452-032-00	MAGNET, DISK; 10MM ϕ
1-452-094-00	MAGNET, ROTABLE DISK; 15MM ϕ
1-466-076-11	CONTROL UNIT (PVM-1342Q ONLY)
1-466-076-21	CONTROL UNIT (PVM-1343MD ONLY)
1-466-077-11	CONTROL UNIT (PVM-1341 ONLY)
1-543-604-11	CORE, RING
1-544-063-11	SPEAKER
S901 Δ 1-554-967-12	SWITCH, PUSH (AC POWER)(1 KEY)
Δ 1-574-443-11	CORD, POWER (WITH NOISE FILTER) (PVM-1341/1342Q ONLY)
Δ 1-574-445-11	CORD, POWER (MEDICAL INSTRUMENT) (PVM-1343MD ONLY)
V901 Δ 8-734-822-05	PICTURE TUBE (M34KBE20X) (PVM-1342Q/1343MD ONLY)
V901 Δ 8-736-255-05	PICTURE TUBE (A34JHS12X)(PVM-1341 ONLY)

 ACCESSORIES AND PACKING MATERIALS

Part No.	Description	Remark
3-786-761-21	MANUAL, INSTRUCTION	
*4-369-325-11	BAG, PROTECTION	
*4-391-866-01	CUSHION (UPPER) (ASSY)	
*4-391-867-01	CUSHION (LOWER) (ASSY)	
*4-391-882-01	INDIVIDUAL CARTON (PVM-1342Q ONLY)	
*4-391-884-01	INDIVIDUAL CARTON (PVM-1341 ONLY)	
*4-391-885-01	INDIVIDUAL CARTON (PVM-1343MD ONLY)	

PVM-1341/1342Q/1343MD

SONY[®] SERVICE MANUAL


US Model
Canadian Model

SUPPLEMENT-1

File this Supplement with the Service Manual.

INTRODUCTION

A and W boards modification

 : Indicate modification portion

PVM-1341

Serial No. 2,002,701 and later

Chassis No. SCC-C27A-A

PVM-1342Q

Serial No. 2,004,201 and later

Chassis No. SCC-C25A-A

PVM-1343MD

Serial No. 2,001,451 and later

Chassis No. SCC-C28A-A



TABLE OF CONTENTS

6. DIAGRAMS

6-2. Block Diagrams.....	3
6-5. Schematic Diagram.....	6
6-3. Printed Wiring Boards.....	9

7. EXPLODED VIEWS

7-1. Chassis.....	11
7-2. Picture Tube.....	12

8. ELECTRICAL PARTS LIST..... 12

PVM-1341/1342Q/1343MD

SONY SERVICE MANUAL

US Model
Canadian Model

PVM-1341
Serial No. 2,003,501 and later
Chassis No. SCC-C27A-A

PVM-1342Q
Serial No. 2,008,101 and later
Chassis No. SCC-C25A-A

PVM-1343MD
Serial No. 2,002,951 and later
Chassis No. SCC-C28A-A

SUPPLEMENT-2

File this Supplement with the Service Manual.

INTRODUCTION

F board modification

■ : Indicates modification portion

SECTION 7 EXPLODED VIEWS

7-1. CHASSIS

Page 65

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*3-704-372-01	HOLDER, HW CABLE		11	*1-629-148-11	V BOARD	
2	▲ 1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE		13	*A-1130-734-A	BB BOARD, COMPLETE (PVM-1341 ONLY)	
3	*4-391-842-01	BRACKET, HVR		14	*A-1135-532-A	BA BOARD, COMPLETE	10, 11, 20
4	X-4391-805-1	CABINET ASSY, BOTTOM				(PVM-1342Q/1343MD ONLY)	
5	*A-1245-494-A	F BOARD, COMPLETE (PVM-1341/1342Q ONLY)		15	*A-1270-249-A	QE BOARD, COMPLETE	
6	*A-1245-495-A	F BOARD, COMPLETE (PVM-1343MD ONLY)		16	*A-1270-248-A	QD BOARD, COMPLETE	
7	▲ 1-1296-616-A	A BOARD, COMPLETE	8, 9	17	*A-1270-247-A	QC BOARD, COMPLETE	
8	▲ 1-439-395-12	TRANSFORMER ASSY, FLYBACK		18	4-391-843-12	PLATE, TERMINAL	
9	*1-629-149-12	W BOARD		19	*3-682-419-01	HOLDER, P.C.B	
10	*1-629-151-11	XA BOARD		20	*A-1330-913-A	C BOARD, COMPLETE	
				21	*4-391-835-01	PLATE (C) SHIELD	

7-2. PICTURE TUBE

Page 66

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
52	1-466-076-11	CONTROL UNIT (PVM-1342Q ONLY)		67	*4-374-912-01	COVER (MAIN), CV VOL	
	1-466-076-21	CONTROL UNIT (PVM-1343MD ONLY)		68	*4-374-913-01	COVER (REAR LID), CV VOL	
	1-466-077-11	CONTROL UNIT (PVM-1341 ONLY)		69	▲ 1-426-442-21	COD, DEMAGNETIZATION	
53	1-544-063-11	SPEAKER		70	4-365-808-01	SCREW (5), TAPPING	
54	4-374-839-11	BUTTON (A)		71	4-391-833-01	CLOTH, PROTECTION	
55	4-391-824-01	JOINT		72	4-391-839-01	COVER, REAR	
56	▲ 1-554-967-12	SWITCH, PUSH (AC POWER) (1 KEY)		73	X-4391-810-1	COVER ASSY, TOP (PVM-1341/1342Q ONLY)	
57	*4-391-820-01	COVER, AC SWITCH			X-4391-810-2	COVER ASSY, TOP (PVM-1343MD ONLY)	
58	X-4391-804-1	BEZEL ASSY (PVM-1342Q ONLY)		74	4-391-825-01	RIVET, NYLON	
	X-4391-804-2	BEZEL ASSY (PVM-1341 ONLY)		75	▲ 4-364-726-01	BUSHING, AC CORD (PVM-1343MD ONLY)	
	X-4391-804-3	BEZEL ASSY (PVM-1343MD ONLY)		76	▲ 4-371-185-02	BUSHING, AC CORD (PVM-1341/1342Q ONLY)	
59	▲ 8-734-821-05	PICTURE TUBE (M34KBE20X)		77	▲ 1-574-421-11	CORD, POWER (PVM-1341/1342Q ONLY)	
		(PVM-1342Q/1343MD ONLY)		78	▲ 1-574-445-11	CORD, POWER (MEDICAL INSTRUMENT)	
						(PVM-1343MD ONLY)	
60	▲ 8-736-254-05	PICTURE TUBE (A34JHS10X) (PVM-1341 ONLY)		77	4-308-870-00	CLIP, LEAD WIRE	
61	3-703-961-01	SPACER, DY		78	1-452-032-00	MAGNET, DISK; 10MM ϕ	
62	▲ 1-451-329-11	DEFLECTION YOKE (SY-222)		79	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
63	*4-382-050-01	BAND, C PC BOARD		80	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
64	*A-1330-913-A	C BOARD, COMPLETE		81	*1-629-153-11	J BOARD	
				82	1-543-604-11	CORE, RING	
				83	4-847-802-11	SCREW (OS), CASE, CLAW	



SECTION 8 ELECTRICAL PARTS LIST

Page 72

*A-1245-494-A F BOARD, COMPLETE (PVM-1341/1342Q ONLY)

 *A-1245-495-A F BOARD, COMPLETE (PVM-1343MD ONLY)

 *4-341-751-01 EYELET
 *4-341-752-01 EYELET
 4-363-414-00 SPACER, MICA

Page 74

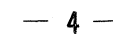
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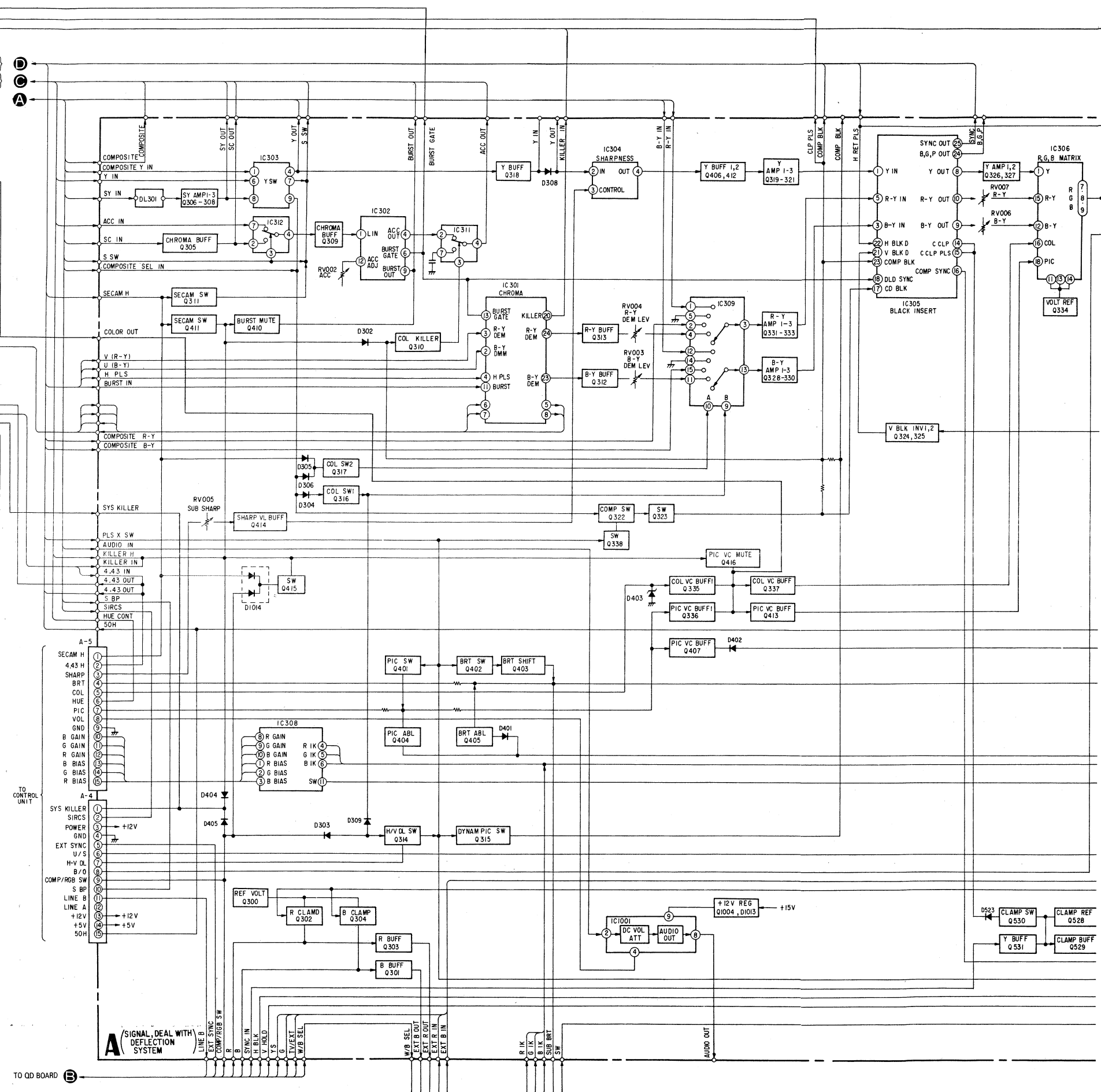
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 THP601A 1-808-059-21 THERMISTOR, POSITIVE

Page 85

MISCELLANEOUS

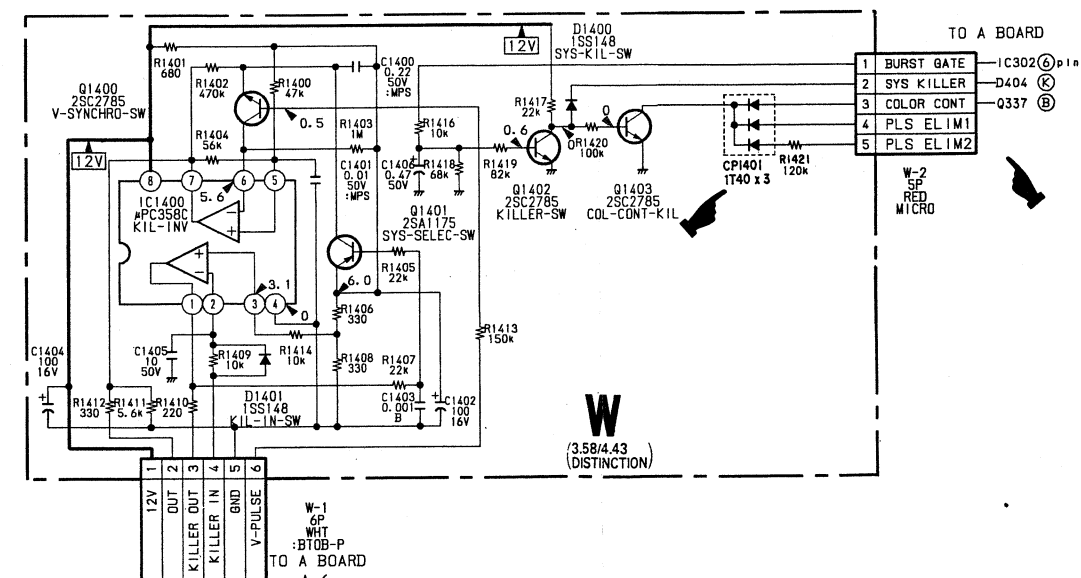
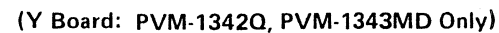
Δ 1-237-614-12 RESISTOR ASSY, HIGH-VOLTAGE
 Δ 1-426-375-11 COIL, DEMAGNETIZATION
 Δ 1-451-329-11 DEFLECTION YOKE (SY-222)
 1-452-032-00 MAGNET, DISK; 10MM Ø
 1-452-094-00 MAGNET, ROTATABLE DISK; 15MM Ø
 1-466-076-11 CONTROL UNIT (PVM-1342Q ONLY)
 1-466-076-21 CONTROL UNIT (PVM-1343MD ONLY)
 1-466-077-11 CONTROL UNIT (PVM-1341 ONLY)
 1-543-604-11 CORE, RING
 1-544-063-11 SPEAKER
 S901 Δ 1-554-967-12 SWITCH, PUSH (AC POWER)(1 KEY)
 Δ 1-574-443-11 CORD, POWER (WITH NOISE FILTER)
 (PVM-1341/1342Q ONLY)
 Δ 1-574-445-11 CORD, POWER (MEDICAL INSTRUMENT)
 (PVM-1343MD ONLY)
 V901 Δ 8-734-821-05 PICTURE TUBE (M34KB20X)
 (PVM-1342Q/1343MD ONLY)
 V901 Δ 8-736-254-05 PICTURE TUBE (A34JHS10X) (PVM-1341 ONLY)

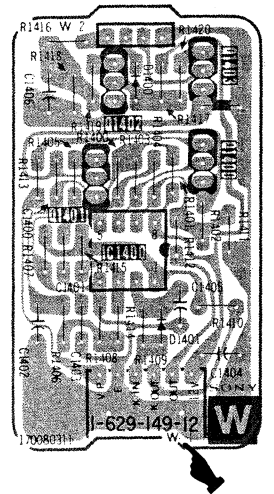
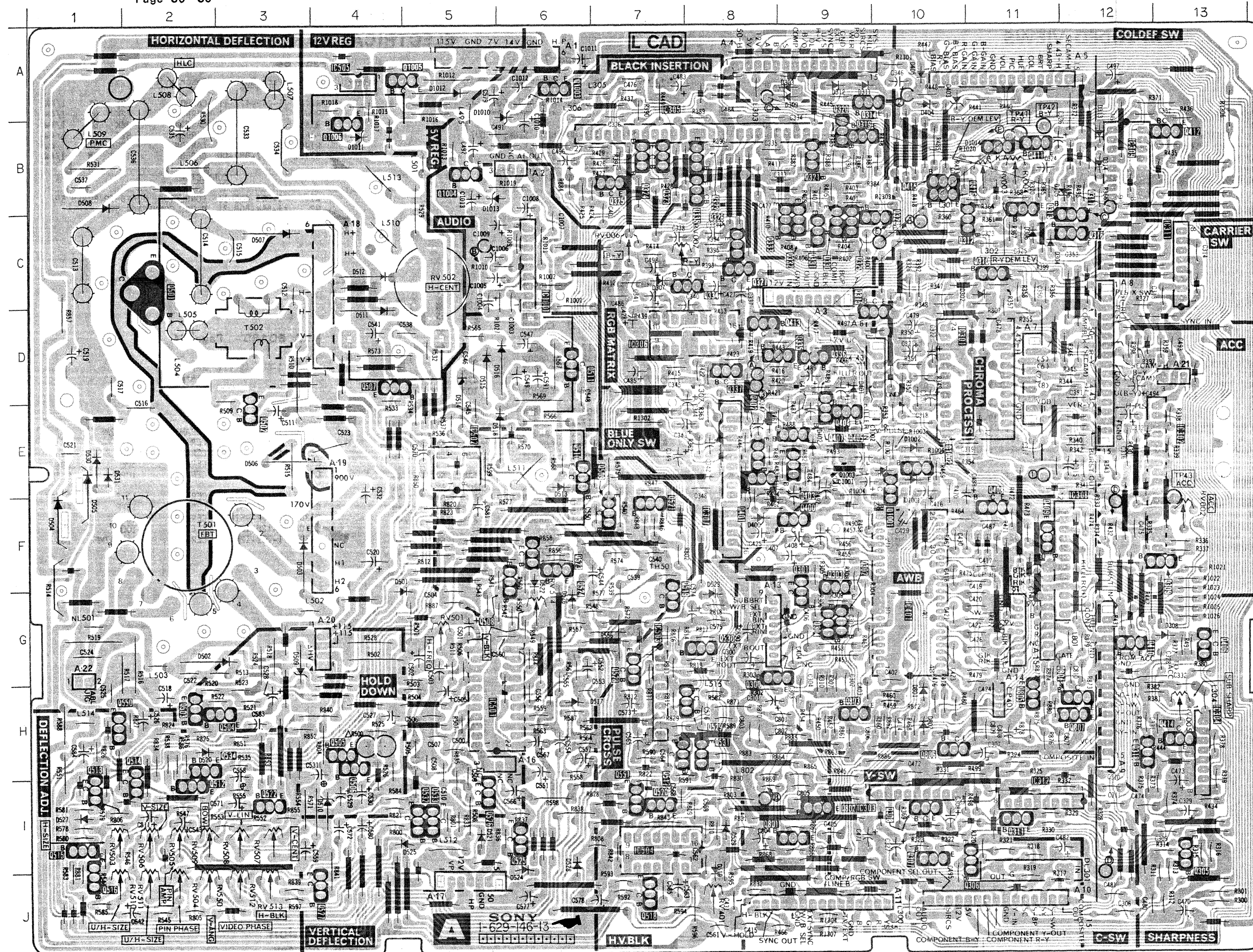




— 6 —







SECTION 7
EXPLODED VIEWS

7-1. CHASSIS

Page 65

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*3-704-372-01	HOLDER, HV CABLE		11	*1-629-148-11	V BOARD	
2	*1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE		13	*A-1130-734-A	BB BOARD, COMPLETE (PVM-1341 ONLY)	
3	*4-391-842-01	BRACKET, HVR		14	*A-1135-532-A	BA BOARD, COMPLETE	10, 11, 20
4	X-4391-805-1	CABINET ASSY, BOTTOM				(PVM-1342Q/1343MD ONLY)	
5	*A-1245-446-A	F BOARD, COMPLETE (PVM-1341/1342Q ONLY)		15	*A-1270-249-A	QE BOARD, COMPLETE	
	*A-1245-455-A	F BOARD, COMPLETE (PVM-1343MD ONLY)		16	*A-1270-248-A	QD BOARD, COMPLETE	
6	*A-1291-616-A	A BOARD, COMPLETE	8, 9	17	*A-1270-247-A	QC BOARD, COMPLETE	
7	*1-439-395-12	TRANSFORMER ASSY, FLYBACK		18	4-391-843-12	PLATE, TERMINAL	
8	*1-629-149-12	W BOARD		19	*3-682-419-01	HOLDER, P.C.B	
9	*1-629-151-11	XA BOARD		20	*A-1330-913-A	C BOARD, COMPLETE	
10	*1-629-150-11	Y BOARD (PVM-1342Q/1343MD ONLY)		21	*4-391-835-01	PLATE (C) SHIELD	

7-2. PICTURE TUBE

Page 66

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
52	1-466-076-11	CONTROL UNIT (PVM-1342Q ONLY)		67	*4-374-912-01	COVER (MAIN), CV VOL	
	1-466-076-21	CONTROL UNIT (PVM-1343MD ONLY)		68	*4-374-913-01	COVER (REAR LID), CV VOL	
	1-466-077-11	CONTROL UNIT (PVM-1341 ONLY)		69	*1-426-375-11	COIL, DEMAGNETIZATION	
53	1-544-063-11	SPEAKER		70	4-365-808-01	SCREW (5), TAPPING	
54	4-374-839-11	BUTTON (A)		71	4-391-833-01	CLOTH, PROTECTION	
55	4-391-824-01	JOINT		72	4-391-839-01	COVER, REAR	
56	*1-554-967-12	SWITCH, PUSH (AC POWER) (1 KEY)		73	X-4391-810-1	COVER ASSY, TOP (PVM-1341/1342Q ONLY)	
57	*4-391-820-01	COVER, AC SWITCH			X-4391-810-2	COVER ASSY, TOP (PVM-1343MD ONLY)	
58	X-4391-804-1	BEZEL ASSY (PVM-1342Q ONLY)		74	4-391-825-01	RIVET, NYLON	
	X-4391-804-2	BEZEL ASSY (PVM-1341 ONLY)		75	*4-364-726-01	BUSHING, AC CORD (PVM-1343MD ONLY)	
	X-4391-804-3	BEZEL ASSY (PVM-1343MD ONLY)			*4-371-185-02	BUSHING, AC CORD (PVM-1341/1342Q ONLY)	
59	*8-734-822-05	PICTURE TUBE (M34KBE20X)		76	*1-574-421-11	CORD, POWER (PVM-1341/1342Q ONLY)	
		(PVM-1342Q/1343MD ONLY)			*1-574-445-11	CORD, POWER (MEDICAL INSTRUMENT)	
		(PVM-1343MD ONLY)				(PVM-1343MD ONLY)	
60	*3-703-961-01	SPACER, DY		77	4-308-870-00	CLIP, LEAD WIRE	
61	*1-451-329-11	DEFLECTION YOKE (SY-222)		78	1-452-032-00	MAGNET, DISK; 10MM ϕ	
62	*4-382-050-01	BAND, C PC BOARD		79	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
64	*A-1330-913-A	C BOARD, COMPLETE		80	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
				82	*1-629-153-11	J BOARD	
				83	1-543-604-11	CORE, RING	
				84	4-847-802-11	SCREW (OS), CASE, CLAW	

SECTION 8
ELECTRICAL PARTS LIST

- A BOARD - Page 77

Ref.No.	Part No.	Description	Remark
	*A-1291-616-A	A BOARD, COMPLETE	

	*4-329-153-00	HEAT SINK, V OUT	
	*4-341-751-01	EYELET	
	*4-341-752-01	EYELET	
	*4-363-404-00	HOLDER, IC	
	4-363-414-00	SPACER, MICA	

Page 84

Ref.No.	Part No.	Description	Remark
	R1416	1-249-429-11 CARBON	10K 5% 1/4W
	R1417	1-249-433-11 CARBON	22K 5% 1/4W
	R1418	1-249-439-11 CARBON	68K 5% 1/4W
	R1419	1-249-440-11 CARBON	82K 5% 1/4W
	R1420	1-249-441-11 CARBON	100K 5% 1/4W
	R1421	1-247-881-00 CARBON	120K 5% 1/4W
CONNECTOR			
	W1	*1-565-482-11	CONNECTOR, BOARD TO BOARD 6P
	W2	*1-564-508-31	PLUG, CONNECTOR 5P

Page 81

Ref.No.	Part No.	Description	Remark
R361	1-249-405-11	CARBON	100 5% 1/4W
R362	1-249-410-11	CARBON	270 5% 1/4W
R363	1-249-432-11	CARBON	18K 5% 1/4W
R364	1-249-417-11	CARBON	1K 5% 1/4W
R365	1-249-432-11	CARBON	18K 5% 1/4W
R366	1-249-437-11	CARBON	47K 5% 1/4W
R367	1-249-413-11	CARBON	470 5% 1/4W
R368	1-249-405-11	CARBON	100 5% 1/4W
R369	1-249-405-11	CARBON	100 5% 1/4W
R370	1-249-417-11	CARBON	1K 5% 1/4W
R371	1-249-432-11	CARBON	18K 5% 1/4W
R372	1-249-465-11	CARBON	47K 5% 1/4W
R373	1-249-436-11	CARBON	39K 5% 1/4W
R374	1-249-432-11	CARBON	18K 5% 1/4W
R375	1-249-405-11	CARBON	100 5% 1/4W
R376	1-249-417-11	CARBON	1K 5% 1/4W
R377	1-249-437-11	CARBON	47K 5% 1/4W
R378	1-249-433-11	CARBON	22K 5% 1/4W
R379	1-249-430-11	CARBON	12K 5% 1/4W
R380	1-249-405-11	CARBON	100 5% 1/4W

- XA BOARD - Page 84

*1-629-151-11 XA BOARD

CAPACITOR

C1300	1-101-005-00	CERAMIC	0.022MF	50V
C1301	1-101-888-00	CERAMIC	68PF	5% 50V
C1302	1-101-884-00	CERAMIC	56PF	5% 50V
C1303	1-102-942-00	CERAMIC	5PF	1PF 50V
C1304	1-102-947-00	CERAMIC	10PF	0.5PF 50V
C1305	1-102-947-00	CERAMIC	10PF	0.5PF 50V
C1306	1-102-951-00	CERAMIC	15PF	5% 50V
C1307	1-102-951-00	CERAMIC	15PF	5% 50V
C1308	1-126-101-11	ELECT	100MF	20% 16V
C1309	1-102-125-00	CERAMIC	0.0047MF	10% 50V

- W BOARD - Page 84

*1-629-149-12 W BOARD

CAPACITOR

C1400	1-136-169-00	FILM	0.22MF	5% 50V
C1401	1-136-153-00	FILM	0.01MF	5% 50V
C1402	1-126-101-11	ELECT	100MF	20% 16V
C1403	1-102-074-00	CERAMIC	0.001MF	10% 50V
C1404	1-126-101-11	ELECT	100MF	20% 16V
C1405	1-123-875-11	ELECT	10MF	20% 50V
C1406	1-124-902-00	ELECT	0.47MF	20% 50V

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